

# Rosenberger

## Installation Materials





Rosenberger HQ, Bavaria, Germany

## INTRODUCTION

Rosenberger Hochfrequenztechnik GmbH&Co. was founded in Germany in 1958 and ranks among the leading manufacturers of high-speed interconnect solutions worldwide. To serve the continuous growth and demand of the global market, Rosenberger Asia Pacific Electronic Co., Ltd. was established in China in 1997. With its long tradition of excellence and providing creative solutions, Rosenberger Asia Pacific has excelled and earned an outstanding reputation in Asia Pacific region.

Rosenberger Asia Pacific provides products and solutions for Telecommunication, Automotive Electronics, Information Technology, Test & Measurement, Aviation, and Medical & Industries.

A sales network covering the entire Asia Pacific region generates an annual turnover close to 450 million USD. Reliability and competitiveness are the cornerstones of this sustainable growth, resulting in long term partnerships with most of the leading companies in their respective industries.



- A: Beijing,China
- B: Kunshan,Jiangsu,China
- C: Pudong,Shanghai,China
- D: Manesar,India
- E: Goa,India
- F: Pune, India
- G: Augsburg,Germany
- H: Plano(TX),USA
- I: Taksnoy, Hungary
- J: Sao Paulo, Brazil

Rosenberger Asia Pacific maintains 9 modern manufacturing and R&D base locations in Beijing, Kunshan, Shanghai and Dongguan in China, Gurgaon, Goa and Pune in India, Sydney in Australia as well as Dover in USA. Equipped with advanced machining, electronic plating, assembly and testing centers and staffed by a large group of more than 400 R&D engineers, Rosenberg Asia Pacific has developed first class production assembly lines and exercises stringent product and quality control.

Presently, Rosenberg Asia Pacific maintains a far reaching network of R&D, Production, Sales and Service which extends to the whole Asia Pacific, Middle East, Africa and CIS area. For over 60 years, Rosenberg has established its brand all over the world. In the future, Rosenberg Asia Pacific will continue to provide excellent product solutions and services for its customers in the entire region.



## MISSION STATEMENT

- Design, manufacture and deploy total solutions for telecommunication networks worldwide
- Create value for our customers through innovative products, customized services and cost effective solutions
- Maintain the highest quality standards, state-of-the-art manufacturing facilities and employ reliable supply chain management to achieve and exceed customer expectations
- Be socially responsible to our community and environment
- Be committed to employee's personnel development

## CORE VALUE

- Value Innovation
- Customer Focus
- Sustainable Growth
- Social Responsibility

# PRODUCT PORTFOLIOS

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## **Telecommunication System**

Base Station Antenna Feeder Systems  
Microwave Antenna Systems  
RF Coaxial Solutions  
High Speed Connectivity Solutions  
Fiber Optics Connection Solutions  
Wireless Coverage Optimization Solutions  
Passive Intermodulation Measurement Systems  
Network Optimization Services

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## **IT/Data Communication**

Intelligent Infrastructure Management System  
Data Center / Cloud Computing Solution  
Premise Network Cabling Products

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## **Testing and Measurement**

Adaptors  
Precision Connectors  
Modular Connectors  
Spring Loaded Coax  
Test Cable Assemblies  
Test and Measurement accessories  
Aerospace Products  
Tools

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## **Medical & Industries**

Non-Magnetic RF Connectors  
Non-Magnetic RF Cable Assemblies  
Data/RF/Power/DC Hybrid Connectors and Assemblies  
Medical Fiber Optic Connectivity Products  
Telematics Management  
Customized Data/Power Connectivity System

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## **Automotive electronics**

FAKRA Connectors and Cable Assemblies  
HSD System  
New Energy Vehicle High Voltage Connector HVR System

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## RAW CABLES AND PATCH CORDS

- Feeder Cable
- Power Cable
- Leaky Cable
- Hybrid Cable
- Lan Cable
- LAN Cable Patch Cord
- PCM Cable
- AISG Jumper



# Feeder Cable

## General Description

- Rosenberger S-Link® Flexible Cables feature annularly corrugated outer conductors and are mainly used for site solutions and indoor coverage solutions in RF communication systems.
- The cable is constructed with an inner conductor, foam dielectric, outer conductor and protective jacket. Use of high quality copper and a unique Argon welding process ensures low loss, better shielding, cable flexibility, and waterproofing
- Rosenberger provides a complete low loss coaxial cable series from 1/4" to 1-5/8" to meet a wide variety of applications. Through its global sales network, Rosenberger has convenient and flexible delivery options to meet the needs of global customers Rosenberger provides superior quality and outstanding performance in low loss RF coaxial cables which are widely used in the communications industry.

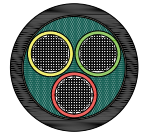
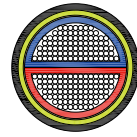
## Features and Benefits

- excellent electrical and mechanical performance to address key parameters: low VSWR, low loss, and excellent 3rd order intermodulation.
- ensure high stability and durability at high power levels and a wide range of operating environments
- many options for customers various demand, such as flame retardant LSZH or halogen free PE jacket, copper cables or aluminium cables.
- IP68 achievable and easy installation.

## Structure: Inner Conductor+ Insulation+ outer conductor+ Jacket

Part Number	Description
SL 014S PE	Feeder cable 1/4 in S, black PE jacket
SL 014S FRNC	Feeder cable 1/4 in S, black FRNC jacket
SL 014R PE	Feeder cable 1/4 in, black PE jacket
SL 014R FRNC	Feeder cable 1/4 in, black FRNC jacket
SL 012S PE	Feeder cable 1/2 in S, black PE jacket
SL 012S FRNC	Feeder cable 1/2 in S, black FRNC jacket
SL 012R PE	Feeder cable 1/2 in, black PE jacket
SL 012R FRNC	Feeder cable 1/2 in, black FRNC jacket
SL 038S PE	Feeder cable 3/8 in S, black PE jacket
SL 038S FRNC	Feeder cable 3/8 in S, black FRNC jacket
SL 038R PE	Feeder cable 3/8 in, black PE jacket
SL 038R FRNC	Feeder cable 3/8 in, black FRNC jacket
SL 078R PE	Feeder cable 7/8 in, black PE jacket
SL 078R FRNC	Feeder cable 7/8 in, black FRNC jacket
SL 078R L PE	Feeder cable 7/8 in L, black PE jacket
SL 078R L FRNC	Feeder cable 7/8 in L, black FRNC jacket
SL 114R PE	Feeder cable 1-1/4 in, black PE jacket
SL 114R FRNC	Feeder cable 1-1/4 in, black FRNC jacket
SL 158R PE	Feeder cable 1-5/8 in, black PE jacket
SL 158R FRNC	Feeder cable 1-5/8 in, black FRNC jacket
SL 012R A PE	Feeder cable 1/2 in Al., black PE jacket

Part Number	Description
SL 012R A FRNC	Feeder cable 1/2 in Al., black FRNC jacket
SL 078R A L PE	Feeder cable 7/8 in Al., black PE jacket
SL 078R A L FRNC	Feeder cable 7/8 in Al., black FRNC jacket
SL 114R A PE	Feeder cable 1-1/4 in Al., black PE jacket
SL 114R A FRNC	Feeder cable 1-1/4 in Al., black FRNC jacket
SL 158R A PE	Feeder cable 1-5/8 in Al., black PE jacket
SL 158R A FRNC	Feeder cable 1-5/8 in Al., black FRNC jacket



## RAW CABLE

Power Cable

Lan Cable

PCM Cable

# Power Cable

## General Description

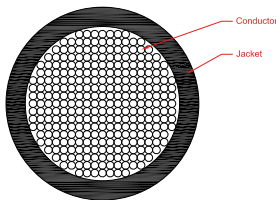
- Power cable use in telecom equipment where there are demands for power supply and grounding protection

## Feature and Benefit

- 450/750V and 0.6/1Kv rated voltage
- Class 2 and class 5 conductor, copper or aluminum material available
- PVC, LSZH, XLPE insulation and jacket, normal or cold resistant material available
- Braid shield or drain wire available for grounding
- Jacket colors available for different requirement
- PP roll, PET tape, AL/PET tape available for special requirement
- UV resistance, flame resistance and Rosh compliant
- Metrication wire gauge and american wire gauge are available

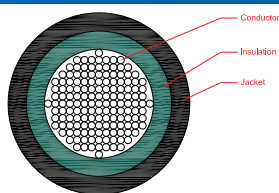
## Flexible Power Cable with Class 5 Copper Conductor

### Flexible 1 Core Power Cable



Structure: Conductor + Insulation

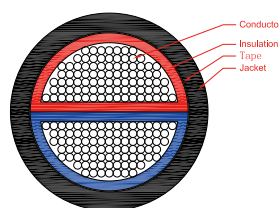
Part Number	Description
SL1C2.5mm2PVC-BK	Flexible power cable 1x2.5mm <sup>2</sup> , color black
SL1C4mm2PVC-BK	Flexible power cable 1x4mm <sup>2</sup> , color black
SL1C6mm2PVC-BK	Flexible power cable 1x6mm <sup>2</sup> , color black
SL1C10mm2PVC-BK	Flexible power cable 1x10mm <sup>2</sup> , color black
SL1C16mm2PVC-BK	Flexible power cable 1x16mm <sup>2</sup> , color black
SL1C25mm2PVC-BK	Flexible power cable 1x25mm <sup>2</sup> , color black
SL1C35mm2PVC-BK	Flexible power cable 1x35mm <sup>2</sup> , color black
SL1C50mm2PVC-BK	Flexible power cable 1x50mm <sup>2</sup> , color black
SL1C70mm2PVC-BK	Flexible power cable 1x70mm <sup>2</sup> , color black
SL1C95mm2PVC-BK	Flexible power cable 1x95mm <sup>2</sup> , color black
SL1C120mm2PVC-BK	Flexible power cable 1x120mm <sup>2</sup> , color black



Structure: Conductor + Insulation + Jacket

Part Number	Description
SL1C70mm2PVC/PVC-BK	Power cable 1x70mm <sup>2</sup> , color black
SL1C95mm2PVC/PVC-BK	Power cable 1x95mm <sup>2</sup> , color black
SL1C120mm2PVC/PVC-BK	Power cable 1x120mm <sup>2</sup> , color black
SL1C150mm2PVC/PVC-BK	Power cable 1x150mm <sup>2</sup> , color black
SL1C300mm2PVC/PVC-BK	Power cable 1x300mm <sup>2</sup> , color black

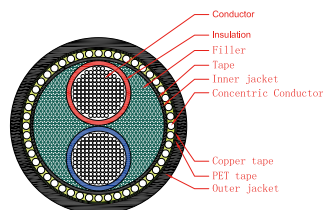
## 2 Cores Power Cable



Structure: Conductor + Insulation + Jacket

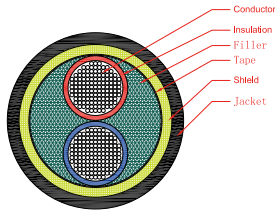
Part Number	Description
SL2SR6mm2LSZH-BK	Power cable 2x6mm <sup>2</sup> , color black
SL2SR10mm2LSZH-BK	Power cable 2x10mm <sup>2</sup> , color black
SL2SR16mm2LSZH-BK	Power cable 2x16mm <sup>2</sup> , color black
SL2SR25mm2LSZH-BK	Power cable 2x25mm <sup>2</sup> , color black
SL2SR35mm2LSZH-BK	Power cable 2x35mm <sup>2</sup> , color black
SL2SR50mm2LSZH-BK	Power cable 2x50mm <sup>2</sup> , color black

## 2 Cores Power Cable Shield



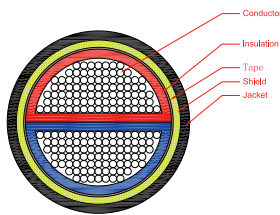
Structure: Conductor + Insulation + Shield + Jacket

Part Number	Description
SL(2x6+6)LSZH-BK	Power cable 2x6mm <sup>2</sup> , bundle copper shield 6mm <sup>2</sup> , color black
SL(2x10+10)LSZH-BK	Power cable 2x10mm <sup>2</sup> , bundle copper shield 10mm <sup>2</sup> , color black
SL(2x16+16)LSZH-BK	Power cable 2x16mm <sup>2</sup> , bundle copper shield 16mm <sup>2</sup> , color black



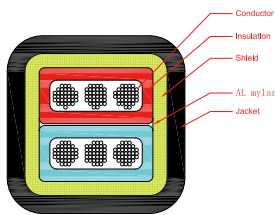
Structure: Conductor + Insulation + Shield + Jacket

Part Number	Description
SL2C6-2.5mm <sup>2</sup> -PVC-S-BK	Power cable 2x6mm <sup>2</sup> , copper braid shield 2.5mm <sup>2</sup> , color black
SL2C10-2.5mm <sup>2</sup> -PVC-S-BK	Power cable 2x10mm <sup>2</sup> , copper braid shield 2.5mm <sup>2</sup> , color black
SL2C16-2.5mm <sup>2</sup> -PVC-S-BK	Power cable 2x16mm <sup>2</sup> , copper braid shield 2.5mm <sup>2</sup> , color black
SL2C25-2.5mm <sup>2</sup> -PVC-S-BK	Power cable 2x25mm <sup>2</sup> , copper braid shield 2.5mm <sup>2</sup> , color black



Structure: Conductor + Insulation + Shield + Jacket

Part Number	Description
SL2SR6mm <sup>2</sup> PVC-S-BK	Power cable 2x6mm <sup>2</sup> shield, color black
SL2SR10mm <sup>2</sup> PVC-S-BK	Power cable 2x10mm <sup>2</sup> shield, color black
SL2SR16mm <sup>2</sup> PVC-S-BK	Power cable 2x16mm <sup>2</sup> shield, color black
SL2SR25mm <sup>2</sup> PVC-S-BK	Power cable 2x25mm <sup>2</sup> shield, color black
SL2SR35mm <sup>2</sup> PVC-S-BK	Power cable 2x35mm <sup>2</sup> shield, color black
SL2SR50mm <sup>2</sup> PVC-S-BK	Power cable 2x50mm <sup>2</sup> shield, color black

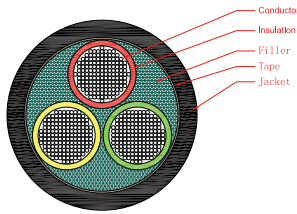


Structure: Conductor + Insulation + Shield + Jacket

Part Number	Description
SL2F4MM2(81-0.254T)PE-S-BK	Power cable 2x4mm <sup>2</sup> shield, color black
SL2F6mm2(84-0.3T)PE-S-BK	Power cable 2x6mm <sup>2</sup> shield, color black
SL2F10mm2(84-0.4T)PE-S-BK	Power cable 2x10mm <sup>2</sup> shield, color black
SL2F16mm2(126-0.4T)PE-S-BK	Power cable 2x16mm <sup>2</sup> shield, color black

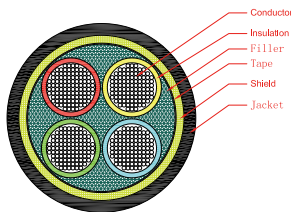
## Structure of the Conductor is for Reference

### More than 2 Cores Power Cable



Structure: Conductor + Insulation + Jacke

Part Number	Description
SL3C1.5mm2PVC-BK	Power cable 3x1.5mm <sup>2</sup> , color black
SL3C2.5mm2PVC-BK	Power cable 3x2.5mm <sup>2</sup> , color black
SL3C4mm2PVC-BK	Power cable 3x4mm <sup>2</sup> , color black
SL3C6mm2PVC-BK	Power cable 3x6mm <sup>2</sup> , color black
SL3C10mm2PVC-BK	Power cable 3x10mm <sup>2</sup> , color black
SL3C16mm2PVC-BK	Power cable 3x16mm <sup>2</sup> , color black
SL3C25mm2PVC-BK	Power cable 3x25mm <sup>2</sup> , color black
SL3C35mm2PVC-BK	Power cable 3x35mm <sup>2</sup> , color black
SL4C2.5mm2PVC-BK	Power cable 4x2.5mm <sup>2</sup> , color black
SL4C4mm2PVC-BK	Power cable 4x4mm <sup>2</sup> , color black
SL4C6mm2PVC-BK	Power cable 4x6mm <sup>2</sup> , color black
SL4C10mm2PVC-BK	Power cable 4x10mm <sup>2</sup> , color black
SL4C16mm2PVC-BK	Power cable 4x16mm <sup>2</sup> , color black
SL4C25mm2PVC-BK	Power cable 4x25mm <sup>2</sup> , color black
SL4C35mm2PVC-BK	Power cable 4x35mm <sup>2</sup> , color black
SL4C50mm2PVC-BK	Power cable 4x50mm <sup>2</sup> , color black
SL5C2.5mm2PVC-BK	Power cable 5x2.5mm <sup>2</sup> , color black
SL5C4mm2PVC-BK	Power cable 5x4mm <sup>2</sup> , color black
SL5C6mm2PVC-BK	Power cable 5x6mm <sup>2</sup> , color black
SL5C10mm2PVC-BK	Power cable 5x10mm <sup>2</sup> , color black
SL5C16mm2PVC-BK	Power cable 5x16mm <sup>2</sup> , color black
SL5C25mm2PVC-BK	Power cable 5x25mm <sup>2</sup> , color black
SL5C35mm2PVC-BK	Power cable 5x35mm <sup>2</sup> , color black
SL5C50mm2PVC-BK	Power cable 5x50mm <sup>2</sup> , color black

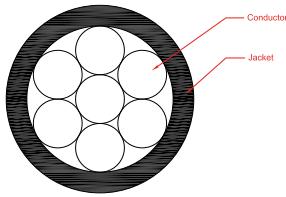


Structure: Conductor + Insulation + Shield + Jacket

Part Number	Description
SL4C10m2PVC-S-BK	Power cable 4x10mm <sup>2</sup> shield, color black
SL4C16mm2PVC-S-BK	Power cable 4x16mm <sup>2</sup> shield, color black

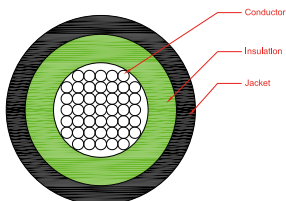
# Hard Conductor Power Supply or Grounding Protection

## 1 Core Power Cable



Structure: Conductor + Insulation (Copper Class 2)

Part Number	Description
SL1C1.5mm2PVC2-BK	Grounding/Power cable 1x1.5mm <sup>2</sup> , color black
SL1C2.5mm2PVC2-BK	Grounding/Power cable 1x2.5mm <sup>2</sup> , color black
SL1C4mm2PVC2-BK	Grounding/Power cable 1x4mm <sup>2</sup> , color black
SL1C6mm2PVC2-BK	Grounding/Power cable 1x6mm <sup>2</sup> , color black
SL1C10mm2PVC2-BK	Grounding/Power cable 1x10mm <sup>2</sup> , color black
SL1C16mm2PVC2-BK	Grounding/Power cable 1x16mm <sup>2</sup> , color black
SL1C25mm2PVC2-BK	Grounding/Power cable 1x25mm <sup>2</sup> , color black
SL1C35mm2PVC2-BK	Grounding/Power cable 1x35mm <sup>2</sup> , color black
SL1C50mm2PVC2-BK	Grounding/Power cable 1x50mm <sup>2</sup> , color black
SL1C70mm2PVC2-BK	Grounding/Power cable 1x70mm <sup>2</sup> , color black
SL1C95mm2PVC2-BK	Grounding/Power cable 1x95mm <sup>2</sup> , color black
SL1C120mm2PVC2-BK	Grounding/Power cable 1x120mm <sup>2</sup> , color black
SL1C150mm2PVC2-BK	Grounding/Power cable 1x150mm <sup>2</sup> , color black
SL1C185mm2PVC2-BK	Grounding/Power cable 1x185mm <sup>2</sup> , color black
SL1C240mm2PVC2-BK	Grounding/Power cable 1x240mm <sup>2</sup> , color black
SL1C300mm2PVC2-BK	Grounding/Power cable 1x300mm <sup>2</sup> , color black
SL1C400mm2PVC2-BK	Grounding/Power cable 1x400mm <sup>2</sup> , color black

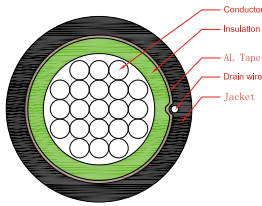


Structure: Conductor + Insulation + Jacket (Aluminum Class 2)

Part Number	Description
SL1C6mm2PVC-BK-AL	Grounding/Power cable 1x6mm <sup>2</sup> , color black
SL1C10mm2PVC-BK-AL	Grounding/Power cable 1x10mm <sup>2</sup> , color black
SL1C16mm2PVC-BK-AL	Grounding/Power cable 1x16mm <sup>2</sup> , color black
SL1C25mm2PVC-BK-AL	Grounding/Power cable 1x25mm <sup>2</sup> , color black
SL1C35mm2PVC-BK-AL	Grounding/Power cable 1x35mm <sup>2</sup> , color black
SL1C50mm2PVC-BK-AL	Grounding/Power cable 1x50mm <sup>2</sup> , color black



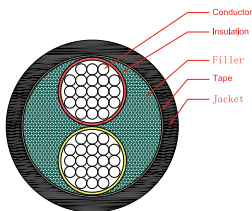
## 1 Core Power Cable Shield



Structure: Conductor + Insulation + Shield + Jacket (Aluminum Class 2)

Part Number	Description
SL1C6mm2PVC-S-BK-AL	Power cable 1x6mm <sup>2</sup> shield, color black
SL1C10mm2PVC-S-BK-AL	Power cable 1x10mm <sup>2</sup> shield, color black
SL1C16mm2PVC-S-BK-AL	Power cable 1x16mm <sup>2</sup> shield, color black
SL1C25mm2PVC-S-BK-AL	Power cable 1x25mm <sup>2</sup> shield, color black
SL1C35mm2PVC-S-BK-AL	Power cable 1x35mm <sup>2</sup> shield, color black
SL1C50mm2PVC-S-BK-AL	Power cable 1x50mm <sup>2</sup> shield, color black

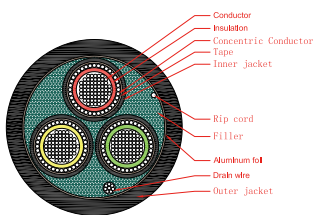
## 2 Core Power Cable



Structure: Conductor + Insulation + Jacket (Aluminum Class 2)

Part Number	Description	Part Number	Description
SL2C6mm2PVC-BK-AL	Power cable 2x6mm <sup>2</sup> , color black	SL2C25mm2PVC-BK-AL	Power cable 2x25mm <sup>2</sup> , color black
SL2C10mm2PVC-BK-AL	Power cable 2x10mm <sup>2</sup> , color black	SL2C35mm2PVC-BK-AL	Power cable 2x35mm <sup>2</sup> , color black
SL2C16mm2PVC-BK-AL	Power cable 2x16mm <sup>2</sup> , color black	SL2C50mm2PVC-BK-AL	Power cable 2x50mm <sup>2</sup> , color black

## Coaxial Power Cable



Structure: Conductor + Insulation + Concentric Conductor + Jacket

Part Number	Description
SL1C4mm2LSZH-CX-BK	Coaxial power cable, 1x4mm <sup>2</sup> , color black
SL1C(3x4+1x4)LSZH-CX-BK	Coaxial power cable, 3x4mm <sup>2</sup> , color black
SL1C(6x4+1x4)LSZH-CX-BK	Coaxial power cable, 6x4mm <sup>2</sup> , color black
SL1C6mm2LSZH-CX-BK	Coaxial power cable, 1x6mm <sup>2</sup> , color black
SL1C(3x6+1x6)LSZH-CX-BK	Coaxial power cable, 3x6mm <sup>2</sup> , color black
SL1C(6x6+1x6)LSZH-CX-BK	Coaxial power cable, 6x6mm <sup>2</sup> , color black
SL1C10mm2LSZH-CX-BK	Coaxial power cable, 1x10mm <sup>2</sup> , color black
SL1C(3x10+1x10)LSZH-CX-BK	Coaxial power cable, 3x10mm <sup>2</sup> , color black
SL1C(6x10+1x10)LSZH-CX-BK	Coaxial power cable, 6x10mm <sup>2</sup> , color black

# Leaky Cable



## General Description

- The kind of leaky coaxial cables mainly used as transmission carrier which brings radio signal reach those complicated places such as tunnels, intelligent building, railway and mines and so on. the portfolio covers 1/2in, 7/8in, 1-1/4in and 1-5/8in radiating cables.

## Features and Benefits

- Suitable band from 75 MHz to 1000 MHz or 75 MHz to 2700 MHz
- Excellent for signal transmission at low frequencies or high frequencies
- Low coupling loss
- Good at low smoke halogen content and flame resistance performance
- IEC 60332-3 Cat.C flame resistance is achievable for each cable

Structure: Inner Conductor+ Insulation+ outer conductor+ Jacket

Part Number	Description
SL 012U RK FRNC	Leaky cable 1/2 in, flame retardant black coaxial cable
SL 078U RK FRNC	Leaky cable 7/8 in, flame retardant black coaxial cable
SL 078U RK FRNC(D)	Leaky cable 7/8 in, flame retardant black coaxial cable
SL 114U RK FRNC	Leaky cable 1-1/4 in, flame retardant black coaxial cable
SL 114U RK FRNC D1	Leaky cable 1-1/4 in, flame retardant black coaxial cable
SL 158U RK FRNC	Leaky cable 1-5/8 in, flame retardant black coaxial cable
SL 158U RK FRNC(D)	Leaky cable 1-5/8 in, flame retardant black coaxial cable

# Hybrid Cable

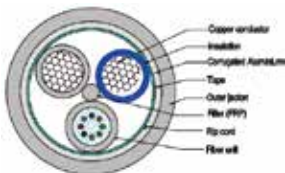
## General Description

- Hybrid cables include fibre and copper cables. They are used for data transmission and power supply indoor and outdoor.

## Features and Benefits

- Power unit
- 0.6/1Kv rated voltage
- Class 5 copper wire conductor
- LSZH/XLPE insulation available
- Fiber unit
- Single mode, multi mode are available
- Multi-core available
- Cabling
- Corrugated aluminium armoured
- UV resistance, flame resistance and Rosh compliant
- Metrication wire gauge and american wire gauge are available

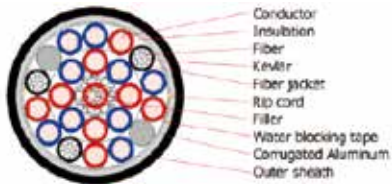
### Hybrid cable 2 core power unit



Structure: Power unit 2core+Optic unit xcore+ Armourd+Jacket

Part Number	Description
RHC-2x8mm2+2FOM3	Hybrid cable with power unit 2x8mm2 and optic unit 2F OM3
RHC-2x8mm2+6G657A2	Hybrid cable with power unit 2x8mm2 and optic unit 6F G657A2
RHC-2x12AWG+2G657A2	Hybrid cable with power unit 2x12AWG and optic unit 2F G657A2

### Hybrid cable Multi-core power unit



Structure: Power unit xcore+Optic unit xcore+ Armourd+Jacket

Part Number	Description
RHC-6x6mm2+6G657A2	Hybrid cable with power unit 6x6mm2 and optic unit 6F G657A2
RHC-6x10mm2+6G657A2	Hybrid cable with power unit 6x10mm2 and optic unit 6F G657A2
RHC-12x6mm2+12G657A2	Hybrid cable with power unit 12x6mm2 and optic unit 12F G657A2
RHC-12x6mm2+24G657A2	Hybrid cable with power unit 12x6mm2 and optic unit 24F G657A2
RHC-12x10mm2+12G657A2	Hybrid cable with power unit 12x10mm2 and optic unit 12F G657A2
RHC-12x10mm2+24G657A2	Hybrid cable with power unit 12x10mm2 and optic unit 24F G657A2
RHC-18x6mm2+36G657A2	Hybrid cable with power unit 18x6mm2 and optic unit 36F G657A2
RHC-18x10mm2+36G657A2	Hybrid cable with power unit 18x10mm2 and optic unit 36F G657A2

# LAN Cable

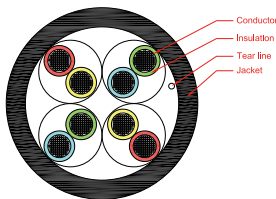
## General Description

- LAN cable with UTP/FTP/S-FTP construction is available for CAT5e, CAT6 and CAT6a

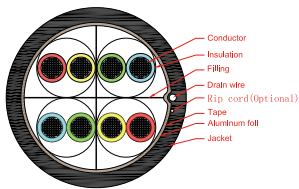
## Feature and Benefit

- AWG26, AWG24, AWG23 wires are available
- Solid or stranded copper conductor
- HDPE color-coded insulation
- PVC, LSZH or LSZH jacket

## Product Number



UTP LAN Cable	
Part Number	Description
RLUTP-CAT5e-AWG24-PVC	LAN cable UTP CAT5e, AWG24, jacket PVC
RLUTP-CAT5e-AWG24-LSZH	LAN cable UTP CAT5e, AWG24, jacket LSZH
RLUTP-CAT6-AWG24-PVC	LAN cable UTP CAT6, AWG24, jacket PVC
RLUTP-CAT6-AWG24-LSZH	LAN cable UTP CAT6, AWG24, jacket LSZH



FTP LAN Cable	
Part Number	Description
RLFTP-CAT5e-AWG24-PVC	LAN cable FTP CAT5e, AWG24, jacket PVC
RLFTP-CAT5e-AWG24-LSZH	LAN cable FTP CAT5e, AWG24, jacket LSZH
RLFTP-CAT6-AWG24-PVC	LAN cable FTP CAT6, AWG24, jacket PVC
RLFTP-CAT6-AWG24-LSZH	LAN cable FTP CAT6, AWG24, jacket LSZH
RLFTP-CAT6a-AWG24-PVC	LAN cable FTP CAT6a, AWG24, jacket PVC
RLFTP-CAT6a-AWG24-LSZH	LAN cable FTP CAT6a, AWG24, jacket LSZH

Part Number	Description
RLSFTP-CAT5e-AWG24-PVC	LAN cable FTP CAT5e, AWG24, jacket PVC
RLSFTP-CAT5e-AWG24-LSZH	LAN cable FTP CAT5e, AWG24, jacket LSZH
RLSFTP-CAT6-AWG24-PVC	LAN cable FTP CAT6, AWG24, jacket PVC
RLSFTP-CAT6-AWG24-LSZH	LAN cable FTP CAT6, AWG24, jacket LSZH
RLSFTP-CAT6a-AWG24-PVC	LAN cable FTP CAT6a, AWG24, jacket PVC
RLSFTP-CAT6a-AWG24-LSZH	LAN cable FTP CAT6a, AWG24, jacket LSZH

## Accessory

- RJ45 plug and RJ45 boot are always using together with the LAN cable
- None shielded and shielded plug are available



RJ45 Plug and Boot are Use for LAN Cable Connection

Part Number	Description
RJ45-GY Cat5e	RJ45 connector with boot Gray, unshielded Cat5e
RJ45-GY Cat5e-S	RJ45 connector with boot Gray, shielded Cat5e
RJ45-GY Cat6	RJ45 connector with boot Gray, unshielded Cat6
RJ45-GY Cat6-S	RJ45 connector with boot Gray, shielded Cat6
RJ45-GY Cat6a	RJ45 connector with boot Gray, unshielded Cat6a
RJ45-GY Cat6a-S	RJ45 connector with boot Gray, shielded Cat6a

# LAN Cable Patch cord

## General Description

- LAN cable patch cord available for CAT5e, CAT6 and CAT6a.

## Feature and Benefit

- Straght and cross link available
- UTP/FTP/SFTP style available
- HDPE color-coded insulation
- PVC, LSZH or LSZH jacket

## Product Number



LAN cable patch cord for Cat6a, Cat6, Cat5e, costumiz requirement is available

Part Number	Description
C6ASFPS8-005	LAN patch cord cat6a SFTP, Gray PVC jacket, 5m
C6ASFPS8-010	LAN patch cord cat6a SFTP, Gray PVC jacket, 10m
C6ASFPS6-005	LAN patch cord cat6a SFTP, Blue PVC jacket, 5m
C6ASFPS6-010	LAN patch cord cat6a SFTP, Blue PVC jacket, 10m
C6UTPS8-005	LAN patch cord cat6 UTP, Gray PVC jacket, 5m
C6UTPS8-010	LAN patch cord cat6 UTP, Gray PVC jacket, 10m
C6UTPS6-005	LAN patch cord cat6 UTP, Blue PVC jacket, 5m
C6UTPS6-010	LAN patch cord cat6 UTP, Blue PVC jacket, 10m
Cat5e FTP01-01-005-GY	LAN patch cord cat5e FTP, Grey PVC jacket, 5m
Cat5e FTP01-01-010-GY	LAN patch cord cat5e FTP, Grey PVC jacket, 10m
Cat5e FTP01-01-005-BU	LAN patch cord cat5e FTP, Blue PVC jacket, 5m
Cat5e FTP01-01-010-BU	LAN patch cord cat5e FTP, Blue PVC jacket, 10m
Cat5e UTP01-01-005-GY	LAN patch cord cat5e UTP, Grey PVC jacket, 5m
Cat5e UTP01-01-010-GY	LAN patch cord cat5e UTP, Grey PVC jacket, 10m
Cat5e UTP01-01-005-BU	LAN patch cord cat5e UTP, Blue PVC jacket, 5m
Cat5e UTP01-01-010-BU	LAN patch cord cat5e UTP, Blue PVC jacket, 10m

# PCM Cable

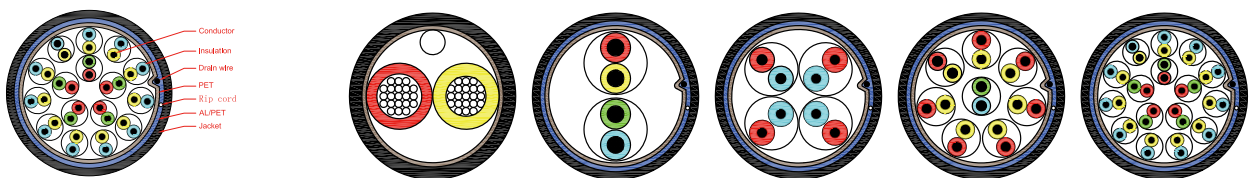
## General Description

- PCM cable design for digital transmission equipment, multiplex line terminals and the digital distribution frame signal relay in the switch room and site station

## Feature and Benefit

- 0.4mm/0.5mm/0.6mm wires are available
- Bare copper or tinned copper conductor
- 120ohm or 75ohm characteristic impedance
- Insulation: solid PE/form PE
- Multi-shielded and single shield available
- PVC or LSZH jacket
- Flame retardant and rosh compliant

## Product Number



### 120ohm Unbalance PCM Cable

Conductor: Tinned Copper

Part Number	Description
RLPCM01-1P0.4T-PE-S-GY	E1 cable-120ohm-2E1-1 pair-1 ground-0.4mm
RLPCM01-2P0.4T-PE-S-GY	E1 cable-120ohm-2E1-2 pairs-1 ground-0.4mm
RLPCM01-4P0.4T-PE-S-GY	E1 cable-120ohm-2E1-4 pairs-1 ground-0.4mm
RLPCM01-8P0.4T-PE-S-GY	E1 cable-120ohm-2E1-8 pairs-1 ground-0.4mm
RLPCM01-16P0.4T-PE-S-GY	E1 cable-120ohm-2E1-16 pairs-1 ground-0.4mm
RLPCM01-1P0.5T-PE-S-GY	E1 cable-120ohm-2E1-1 pair-1 ground-0.5mm
RLPCM01-2P0.5T-PE-S-GY	E1 cable-120ohm-2E1-2 pairs-1 ground-0.5mm
RLPCM01-4P0.5T-PE-S-GY	E1 cable-120ohm-2E1-4 pairs-1 ground-0.5mm
RLPCM01-8P0.5T-PE-S-GY	E1 cable-120ohm-2E1-8 pairs-1 ground-0.5mm
RLPCM01-16P0.5T-PE-S-GY	E1 cable-120ohm-2E1-16 pairs-1 ground-0.5mm

Conductor: Bare Copper

Part Number	Description
RLPCM01-1P0.4-PE-S-GY	E1 cable-120ohm-2E1-1 pair-1 ground-0.4mm
RLPCM01-2P0.4-PE-S-GY	E1 cable-120ohm-2E1-2 pairs-1 ground-0.4mm
RLPCM01-4P0.4-PE-S-GY	E1 cable-120ohm-2E1-4 pairs-1 ground-0.4mm
RLPCM01-8P0.4-PE-S-GY	E1 cable-120ohm-2E1-8 pairs-1 ground-0.4mm
RLPCM01-16P0.4-PE-S-GY	E1 cable-120ohm-2E1-16 pairs-1 ground-0.4mm
RLPCM01-1P0.5-PE-S-GY	E1 cable-120ohm-2E1-1 pair-1 ground-0.5mm
RLPCM01-2P0.5-PE-S-GY	E1 cable-120ohm-2E1-2 pairs-1 ground-0.5mm
RLPCM01-4P0.5-PE-S-GY	E1 cable-120ohm-2E1-4 pairs-1 ground-0.5mm
RLPCM01-8P0.5-PE-S-GY	E1 cable-120ohm-2E1-8 pairs-1 ground-0.5mm
RLPCM01-16P0.5-PE-S-GY	E1 cable-120ohm-2E1-16 pairs-1 ground-0.5mm

## 75ohm Balance PCM Cable

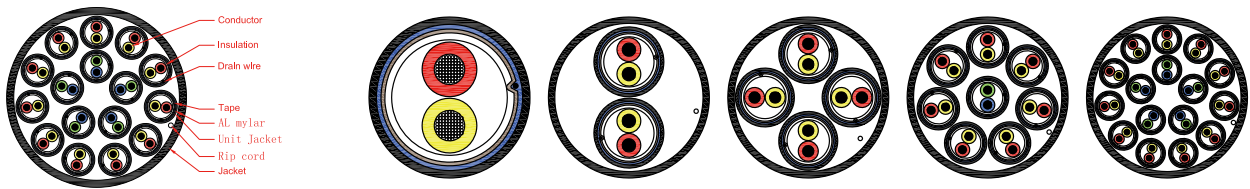
Conductor: Tinned Copper

Part Number	Description
RLPCM02-1P0.4T-PE-S-GY	E1 cable-75ohm-2E1-1 pair-1 ground-0.4mm
RLPCM02-2P0.4T-PE-S-GY	E1 cable-75ohm-2E1-2 pairs-1 ground-0.4mm
RLPCM02-4P0.4T-PE-S-GY	E1 cable-75ohm-2E1-4 pairs-1 ground-0.4mm
RLPCM02-8P0.4T-PE-S-GY	E1 cable-75ohm-2E1-8 pairs-1 ground-0.4mm
RLPCM02-16P0.4T-PE-S-GY	E1 cable-75ohm-2E1-16 pairs-1 ground-0.4mm
RLPCM02-1P0.5T-PE-S-GY	E1 cable-75ohm-2E1-1 pair-1 ground-0.5mm
RLPCM02-2P0.5T-PE-S-GY	E1 cable-75ohm-2E1-2 pairs-1 ground-0.5mm
RLPCM02-4P0.5T-PE-S-GY	E1 cable-75ohm-2E1-4 pairs-1 ground-0.5mm
RLPCM02-8P0.5T-PE-S-GY	E1 cable-75ohm-2E1-8 pairs-1 ground-0.5mm
RLPCM02-16P0.5T-PE-S-GY	E1 cable-75ohm-2E1-16 pairs-1 ground-0.5mm

Conductor: Bare Copper

Part Number	Description
RLPCM02-1P0.4-PE-S-GY	E1 cable-75ohm-2E1-1 pair-1 ground-0.4mm
RLPCM02-2P0.4-PE-S-GY	E1 cable-75ohm-2E1-2 pairs-1 ground-0.4mm
RLPCM02-4P0.4-PE-S-GY	E1 cable-75ohm-2E1-4 pairs-1 ground-0.4mm
RLPCM02-8P0.4-PE-S-GY	E1 cable-75ohm-2E1-8 pairs-1 ground-0.4mm
RLPCM02-16P0.4-PE-S-GY	E1 cable-75ohm-2E1-16 pairs-1 ground-0.4mm
RLPCM02-1P0.5-PE-S-GY	E1 cable-75ohm-2E1-1 pair-1 ground-0.5mm
RLPCM02-2P0.5-PE-S-GY	E1 cable-75ohm-2E1-2 pairs-1 ground-0.5mm
RLPCM02-4P0.5-PE-S-GY	E1 cable-75ohm-2E1-4 pairs-1 ground-0.5mm
RLPCM02-8P0.5-PE-S-GY	E1 cable-75ohm-2E1-8 pairs-1 ground-0.5mm
RLPCM02-16P0.5-PE-S-GY	E1 cable-75ohm-2E1-16 pairs-1 ground-0.5mm





## 120ohm Unbalance PCM Cable

Conductor: Tinned Copper

Part Number	Description
RLPCM01-1P0.4T-PE-1S-GY	E1 cable-120ohm-2E1-1 pair-1 ground-0.4mm
RLPCM01-2P0.4T-PE-2S-GY	E1 cable-120ohm-2E1-2 pairs-2 ground-0.4mm
RLPCM01-4P0.4T-PE-4S-GY	E1 cable-120ohm-2E1-4 pairs-4 ground-0.4mm
RLPCM01-8P0.4T-PE-8S-GY	E1 cable-120ohm-2E1-8 pairs-8 ground-0.4mm
RLPCM01-16P0.4T-PE-16S-GY	E1 cable-120ohm-2E1-16 pairs-16 ground-0.4mm
RLPCM01-1P0.5T-PE-1S-GY	E1 cable-120ohm-2E1-1 pair-1 ground-0.5mm
RLPCM01-2P0.5T-PE-2S-GY	E1 cable-120ohm-2E1-2 pairs-2 ground-0.5mm
RLPCM01-4P0.5T-PE-4S-GY	E1 cable-120ohm-2E1-4 pairs-4 ground-0.5mm
RLPCM01-8P0.5T-PE-8S-GY	E1 cable-120ohm-2E1-8 pairs-8 ground-0.5mm
RLPCM01-16P0.5T-PE-16S-GY	E1 cable-120ohm-2E1-16 pairs-16 ground-0.5mm

Conductor: Bare Copper

Part Number	Description
RLPCM01-1P0.4-PE-1S-GY	E1 cable-120ohm-2E1-1 pair-1 ground-0.4mm
RLPCM01-2P0.4-PE-2S-GY	E1 cable-120ohm-2E1-2 pairs-2 ground-0.4mm
RLPCM01-4P0.4-PE-4S-GY	E1 cable-120ohm-2E1-4 pairs-4 ground-0.4mm
RLPCM01-8P0.4-PE-8S-GY	E1 cable-120ohm-2E1-8 pairs-8 ground-0.4mm
RLPCM01-16P0.4-PE-16S-GY	E1 cable-120ohm-2E1-16 pairs-16 ground-0.4mm
RLPCM01-1P0.5-PE-1S-GY	E1 cable-120ohm-2E1-1 pair-1 ground-0.5mm
RLPCM01-2P0.5-PE-2S-GY	E1 cable-120ohm-2E1-2 pairs-2 ground-0.5mm
RLPCM01-4P0.5-PE-4S-GY	E1 cable-120ohm-2E1-4 pairs-4 ground-0.5mm
RLPCM01-8P0.5-PE-8S-GY	E1 cable-120ohm-2E1-8 pairs-8 ground-0.5mm
RLPCM01-16P0.5-PE-16S-GY	E1 cable-120ohm-2E1-16 pairs-16 ground-0.5mm

## 75ohm Balance PCM Cable

Conductor: Tinned Copper

Part Number	Description
RLPCM02-1P0.4T-PE-1S-GY	E1 cable-75ohm-2E1-1 pair-1 ground-0.4mm
RLPCM02-2P0.4T-PE-2S-GY	E1 cable-75ohm-2E1-2 pairs-2 ground-0.4mm
RLPCM02-4P0.4T-PE-4S-GY	E1 cable-75ohm-2E1-4 pairs-4 ground-0.4mm
RLPCM02-8P0.4T-PE-8S-GY	E1 cable-75ohm-2E1-8 pairs-8 ground-0.4mm
RLPCM02-16P0.4T-PE-16S-GY	E1 cable-75ohm-2E1-16 pairs-16 ground-0.4mm
RLPCM02-1P0.5T-PE-1S-GY	E1 cable-75ohm-2E1-1 pair-1 ground-0.5mm
RLPCM02-2P0.5T-PE-2S-GY	E1 cable-75ohm-2E1-2 pairs-2 ground-0.5mm
RLPCM02-4P0.5T-PE-4S-GY	E1 cable-75ohm-2E1-4 pairs-4 ground-0.5mm
RLPCM02-8P0.5T-PE-8S-GY	E1 cable-75ohm-2E1-8 pairs-8 ground-0.5mm
RLPCM02-16P0.5T-PE-16S-GY	E1 cable-75ohm-2E1-16 pairs-16 ground-0.5mm

Conductor: Bare Copper

Part Number	Description
RLPCM02-1P0.4-PE-1S-GY	E1 cable-75ohm-2E1-1 pair-1 ground-0.4mm
RLPCM02-2P0.4-PE-2S-GY	E1 cable-75ohm-2E1-2 pairs-2 ground-0.4mm
RLPCM02-4P0.4-PE-4S-GY	E1 cable-75ohm-2E1-4 pairs-4 ground-0.4mm
RLPCM02-8P0.4-PE-8S-GY	E1 cable-75ohm-2E1-8 pairs-8 ground-0.4mm
RLPCM02-16P0.4-PE-16S-GY	E1 cable-75ohm-2E1-16 pairs-16ground-0.4mm
RLPCM02-1P0.5-PE-1S-GY	E1 cable-75ohm-2E1-1 pair-1 ground-0.5mm
RLPCM02-2P0.5-PE-2S-GY	E1 cable-75ohm-2E1-2 pairs-2 ground-0.5mm
RLPCM02-4P0.5-PE-4S-GY	E1 cable-75ohm-2E1-4 pairs-4 ground-0.5mm
RLPCM02-8P0.5-PE-8S-GY	E1 cable-75ohm-2E1-8 pairs-8 ground-0.5mm
RLPCM02-16P0.5-PE-16S-GY	E1 cable-75ohm-2E1-16 pairs-16 ground-0.5mm

Note: Special request is available

# AISG Control Cable

## General Description

- AISG control cable design for antenna RET control, feeds data and DC power to RET componets.

## Feature and Benefit

- AISG1.1/ AISG2.0 compliat
- Spacial Pin link method available
- Different jacket material available
- Different length as customized

## Product Number



AISG control cable with standard 8PIN male and female connector

Part Number	Description
RL AISG01-05	AISG control cable 6core, 5m
RL AISG01-10	AISG control cable 6core, 10m
RL AISG01-15	AISG control cable 6core, 15m
RL AISG01-20	AISG control cable 6core, 20m
RL AISG03-05	AISG control cable 4core, 5m
RL AISG03-10	AISG control cable 4core, 10m
RL AISG03-15	AISG control cable 4core, 15m
RL AISG03-20	AISG control cable 4core, 20m
RL AISG06-05	AISG control cable 5core,5m
RL AISG06-10	AISG control cable 5core,10m
RL AISG06-15	AISG control cable 5core,15m
RL AISG06-20	AISG control cable 5core,20m

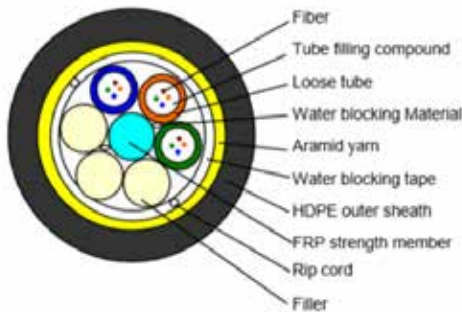


AISG control cable with DB9/DB15 male and 8PIN female connector

Part Number	Description
RL AISG12-05	AISG control cable with DB9 male and AISG female, 5core, 5m
RL AISG12-10	AISG control cable with DB9 male and AISG female, 5core, 10m
RL AISG12-15	AISG control cable with DB9 male and AISG female, 5core, 15m
RL AISG12-20	AISG control cable with DB9 male and AISG female, 5core, 20m
RL AISG13-05	AISG control cable with DB15 male and AISG female, 5core, 5m
RL AISG13-10	AISG control cable with DB15 male and AISG female, 5core, 10m
RL AISG13-15	AISG control cable with DB15 male and AISG female, 5core, 15m
RL AISG13-20	AISG control cable with DB15 male and AISG female, 5core, 20m

# Outdoor Raw Fiber Cable

## All Dielectric Self-Supporting (ADSS) Aerial Cable, Single Sheath, Dry Core, Loose Tube



### General Description

- Central Strength Member (CSM): FRP rod (non-metallic)
- Loose tube containing fibers and filled with a suitable water-resistant filling compound
- Loose tubes SZ stranded around CSM
- Longitudinal water tightness: Dry core with water swellable elements
- Peripheral strength member: aramid yarns
- Ripcords (optional)
- Sheath: Black PE

### Feature and Benefit

- Self-supporting aerial installation
- Large span can be customized
- Good performance of tensile strength

Specification				
Fiber Count	Max. Allowable Tension (MAT) KN (40%*RTS)	Crush Resistance Long/short N/100mm	Min. Cable Bending Radius Static/dynamic (mm)	Cable Attenuation (dB/km)
2~144F	Based on meteorological conditions or customer specified	1000	10D/20D	≤0.36 @1310nm ≤0.22 @1550nm ≤3.0 @8500nm ≤1.0 @1300nm

Note:

1. D is cable outer diameter
2. Double sheath structure is optional

## Self-supporting Aerial Installation Armored Cable, Figure 8, Loose Tube



### General Description

- Central Strength Member (CSM): steel wire (metallic) or FRP rod (non-metallic)
- Loose tube containing fibers and filled with a suitable water tightness compound
- Loose tubes SZ stranded around CSM
- Longitudinal water tightness: dry core with water swellable elements or gel-filled cable core
- PSP steel tape armor, APL aluminum tape armor or non-armor are optional
- Ripcords (optional)
- Outer Sheath: Black PE
- Suspension Messenger wire: Stranded galvanized steel wires

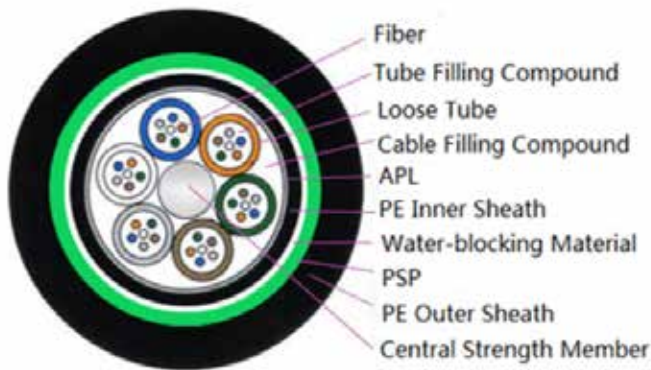
### Feature and Benefit

- Figure 8 cable is used for cost effective aerial installations
- Easily installed in pole by using anchor hardware

Specification				
Fiber Count	Tensile Strength Long/short N	Crush Resistance Long/short N/100mm	Min. Cable Bending Radius Static/dynamic (mm)	Cable Attenuation (dB/km)
2~144F	3000/7000	300/1000	10D/20D	≤0.36 @1310nm ≤0.22 @1550nm ≤3.0 @8500nm ≤1.0 @1300nm

Note:  
D is cable outer diameter

## Direct Buried Cable, Double Metallic Armored Double Sheath, Loose Tube



### General Description

- Central Strength Member (CSM): steel wire (metallic) or FRP rod (non-metallic)
- Loose tube containing fibers and filled with a suitable water-resistant filling compound
- Loose tubes SZ stranded around CSM
- Longitudinal water tightness: water-resistant filling compound, dry core with water swellable elements is optional
- Double armor: inner APL aluminum tape outer PSP steel tape armor
- Ripcords (optional)
- Double Sheath: Black PE

### Feature and Benefit

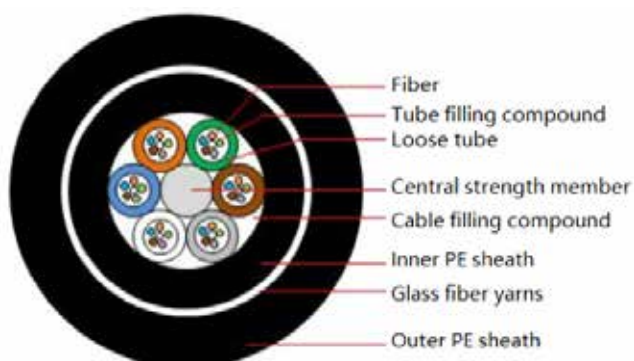
- Good mechanical and temperature performance
- High hydrolysis resistance and high strength loose tube
- Perfect crush resistance
- High tensile strength ensured by steel wire or FRP rod
- Good moisture-proof ensured by APL and PSP

Specification				
Fiber Count	Tensile Strength Long/short N	Crush Resistance Long/short N/100mm	Min. Cable Bending Radius Static/dynamic (mm)	Cable Attenuation (dB/km)
2~144F	1000/3000	1000/3000	12.5D/25D	≤0.36 @1310nm ≤0.22 @1550nm ≤3.0 @8500nm ≤1.0 @1300nm

Note:

1. D is cable outer diameter
2. Cable technical parameters can be adjusted accord to customer's specified requirements
3. The way to prevent water ingress, gel-filled, semi-dry or total dry, can be adjusted accord to customer's specified requirements
4. The cable structure can be adjusted accord to customer's specified requirements on flame retardant, anti-rodent or anti-termite

## Duct Installation Cable, Non-metallic, Anti-rodent, Loose Tube



### General Description

- Central Strength Member (CSM): FRP rod (non-metallic)
- Loose tube containing fibers and filled with a suitable water-resistant filling compound
- Loose tubes SZ stranded around CSM
- Longitudinal water tightness: water-resistant filling compound, dry core with water swellable elements is optional
- Peripheral strength member: anti-rodent glass fiber yarns
- Ripcords (optional)
- Inner & outer Sheath: Black PE

### Feature and Benefit

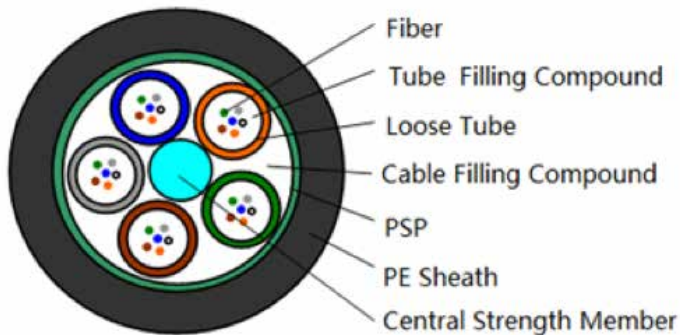
- Good mechanical and temperature performance
- High hydrolysis resistance and high strength loose tube
- Good crush resistance and flexibility
- High tensile strength ensured by FRP
- Good anti-rodent ensured by glass fiber yarns

Specification				
Fiber Count	Tensile Strength Long/short N	Crush Resistance Long/short N/100mm	Min. Cable Bending Radius Static/dynamic (mm)	Cable Attenuation (dB/km)
2~144F	900/2700	1000/3000	10D/20D	≤0.36 @1310nm ≤0.22 @1550nm ≤3.0 @8500nm ≤1.0 @1300nm

Note:  
Different length of cable is available



## Duct Installation Cable, Metallic armored, Loose Tube



### General Description

- Central Strength Member (CSM): steel wire (metallic) or FRP rod (non-metallic)
- Loose tube containing fibers and filled with a suitable water-resistant filling compound
- Loose tubes SZ stranded around CSM
- Longitudinal water tightness: water-resistant filling compound, dry core with water swellable elements is optional
- PSP steel tape armor, APL aluminum tape armor is optional
- Ripcords (optional)
- Outer Sheath: Black PE

### Feature and Benefit

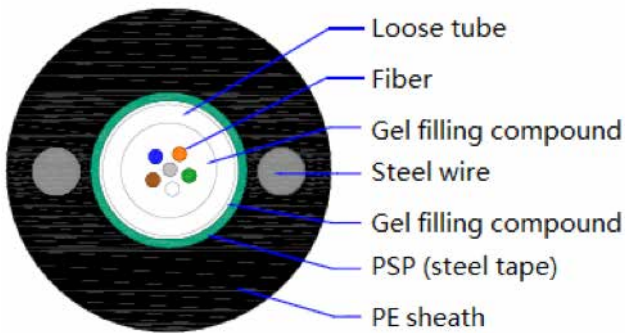
- Good mechanical and temperature performance
- High hydrolysis resistance and high strength loose tube
- Good crush resistance and flexibility
- High tensile strength ensured by steel wire or FRP
- Good moisture-proof ensured by PSP

Specification				
Fiber Count	Tensile Strength Long/short N	Crush Resistance Long/short N/100mm	Min. Cable Bending Radius Static/dynamic (mm)	Cable Attenuation (dB/km)
2~144F	600/1500	300/1000	10D/20D	≤0.36 @1310nm ≤0.22 @1550nm ≤3.0 @8500nm ≤1.0 @1300nm

Note:

1. D is cable outer diameter
2. Cable technical parameters can be adjusted accord to customer's specified requirements
3. The way to prevent water ingress, gel-filled, semi-dry or total dry, can be adjusted accord to customer's specified requirements
4. The cable structure can be adjusted accord to customer's specified requirements on flame retardant, anti-rodent or anti-termite

## Duct Installation Cable, Central Tube Light armored Cable



### General Description

- Central loose tube containing fibers and filled with a suitable water-resistant filling compound
- Longitudinal water tightness between central tube and PSP armor: water-resistant filling compound
- Peripheral strength member: steel wire (metallic) or FRP rod (non-metallic)
- PSP steel tape armor, PSP armor is optional for some structure
- Outer Sheath: Black PE

### Feature and Benefit

- Good mechanical and temperature performance
- High hydrolysis resistance and high strength loose tube
- Good crush resistance and flexibility
- High tensile strength ensured by parallel steel wires
- Small diameter, light weight and friendly installation

Specification				
Fiber Count	Tensile Strength Long/short N	Crush Resistance Long/short N/100mm	Min. Cable Bending Radius Static/dynamic (mm)	Cable Attenuation (dB/km)
2~144F	600/1500	300/1000	10D/20D	≤0.36 @1310nm ≤0.22 @1550nm ≤3.0 @8500nm ≤1.0 @1300nm

Note:

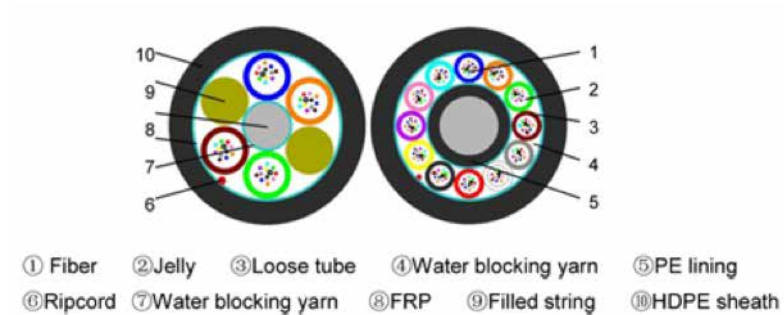
1. D is cable outer diameter

# Air Blowing Micro Cable

## General Description

- Air blowing micro cables are light weight, small diameter and designed for metro feeder or access network to be blown into a micro duct by air blowing installation.
- As the cable allows the deployment of currently required fiber count, the micro cable provides a lower initial investment and the flexibility to install and upgrade to the latest fiber technologies after the initial installation.

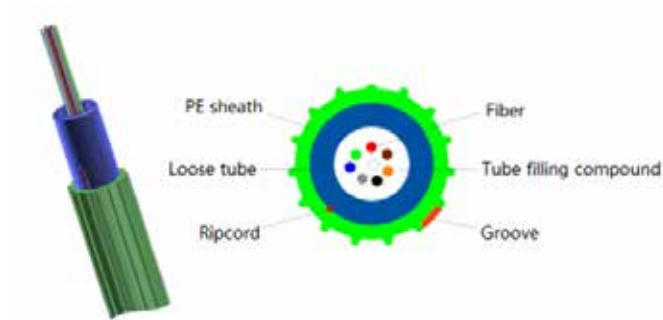
## Type I: Stranded Loose Tube



## Feature and Benefit

- Big fiber count: 2~288F
- Small diameter and light weight, long blowing distance
- Suitable for 10/8mm or 12/10mm micro duct
- Semi-dry, no gel in cable core for water tightness

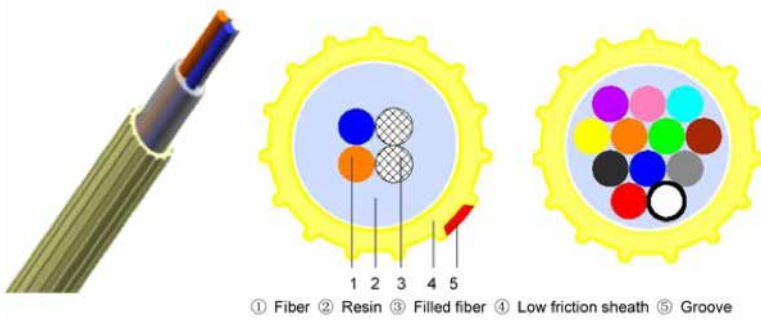
## Type III: Mini micro cable, Central tube



## Feature and Benefit

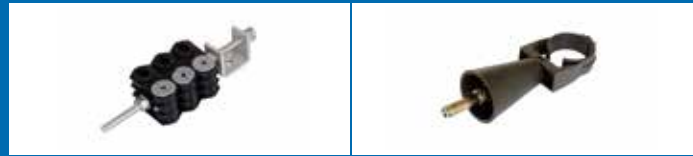
- Fiber count: 2~24F
- Small size and light weight
- Suitable for 5.0/3.5mm or 7/5.5mm micro duct
- Unique design of sheath with grooves ensuring good air blowing performance

### Type III: Enhanced Performance Fiber Unit (EPFU)



#### Feature and Benefit

- Small fiber count: 2~12F
- Ultra small size and light weight
- Suitable for 3/2.1mm or 5.0/3.5mm micro duct
- Unique design of sheath ensuring good air blowing performance



## CABLE INSTALLATION MATERIALS

Cable Clamp  
Hanger  
Hoisting Grip Kit  
Cable Entry

# Cable Clamp

## Feeder Clamp: Single Hole



### General Description

- The clamp is designed to support 1 to 4 cables with the dimensions of 1/2", 7/8", 1 1/4", 1 5/8" and so on
- It is installed on cable ladder, rung, bracket, i-beam, profile such as towers, ladders and masts at telecom site
- Without additional adapters, provide sturdy, reliable, long-term support

### Feature and Benefit

- Easy-to-install
- Wind loaded
- UV and corrosion resistant with SUS304/steel dacro bracket
- Capable to working in extreme temperature
- Recommend distance of clamps: 0.8~1.0m

### Product Number

Part Number	Description	Part Number	Description
SLCC111-C01	Single hole clamp 1/4"Rx1, 1 run	SLCC131-C07	Single hole clamp 1 5/8"x3, 3 runs
SLCC121-C01	Single hole clamp 1/4"Rx2, 2 runs	SLCC111-C08	Single hole clamp 1/2"Sx1, 1 run
SLCC131-C01	Single hole clamp 1/4"Rx3, 3 runs	SLCC121-C08	Single hole clamp 1/2"Sx2, 2 runs
SLCC111-C02	Single hole clamp 3/8"Sx1, 1 run	SLCC131-C08	Single hole clamp 1/2"Sx3, 3 runs
SLCC121-C02	Single hole clamp 3/8"Sx2, 2 runs	SLCC141-C08	Single hole clamp 1/2"Sx4, 4 runs
SLCC131-C02	Single hole clamp 3/8"Sx3, 3 runs	SLCCT111-C03	Single hole clamp 1/2"Rx1, 1run, DACRO
SLCC141-C02	Single hole clamp 3/8"Sx4, 4 runs	SLCCT121-C03	Single hole clamp 1/2"Rx2, 2runs, DACRO
SLCC111-C03	Single hole clamp 1/2"Rx1, 1 run	SLCCT131-C03	Single hole clamp 1/2"Rx3, 3 runs, DACRO
SLCC121-C03	Single hole clamp 1/2"Rx2, 2runs	SLCCT141-C03	Single hole clamp 1/2"Rx4, 4 runs, DACRO
SLCC131-C03	Single hole clamp 1/2"Rx3, 3 runs	SLCCT111-C05	Single hole clamp 7/8"x1, 1 run, DACRO
SLCC141-C03	Single hole clamp 1/2"Rx4, 4 runs	SLCCT121-C05	Single hole clamp 7/8"x2, 2 runs, DACRO
SLCC111-C05	Single hole clamp 7/8"x1, 1 run	SLCCT131-C05	Single hole clamp 7/8"x3, 3 runs, DACRO
SLCC121-C05	Single hole clamp 7/8"x2, 2 runs	SLCCT141-C05	Single hole clamp 7/8"x4, 4 runs, DACRO
SLCC131-C05	Single hole clamp 7/8"x3, 3 runs	SLCCT111-C06	Single hole clamp 1 1/4"x1, 1 run, DACRO
SLCC141-C05	Single hole clamp 7/8"x4, 4 runs	SLCCT121-C06	Single hole clamp 1 1/4"x2, 2 runs, DARO
SLCC111-C06	Single hole clamp 1 1/4"x1, 1 run	SLCCT131-C06	Single hole clamp 1 1/4"x3, 3 runs, DACRO
SLCC121-C06	Single hole clamp 1 1/4"x2, 2 runs	SLCCT111-C07	Single hole clamp 1 5/8"x1, 1 run, DACRO
SLCC131-C06	Single hole clamp 1 1/4"x3, 3 runs	SLCCT121-C07	Single hole clamp 1 5/8"x2, 2 runs, DACRO
SLCC111-C07	Single hole clamp 1 5/8"x1, 1 run	SLCCT131-C07	Single hole clamp 1 5/8"x3, 3 runs, DACRO
SLCC121-C07	Single hole clamp 1 5/8"x2, 2 runs		

## Feeder Clamp: Dual Hole



### General Description

- The clamp is designed to support 1 to 6 cables with the dimensions of 1/2", 7/8", 1 1/4", 1 5/8" and so on
- It is installed on cable ladder, rung, bracket, i-beam, profile such as towers, ladders and masts at telecom site
- Without additional adapters, provide sturdy, reliable, long-term support

### Feature and Benefit

- Each block holds two runs of cable to reduce installation cost
- Easy-to-install
- Wind loaded
- UV and corrosion resistant with SUS304/steel dacro bracket
- Capable to working in extreme temperature
- Recommend distance of clamps: 0.8~1.0m

### Product Number

Part Number	Description	Part Number	Description
SLCC221-C01	Dual hole clamp 1/4"Rx2, 2 runs	SLCC221C-C07	Dual hole clamp 1 5/8"x2, 2 runs, PP, M8
SLCC241-C01	Dual hole clamp 1/4"Rx4, 4 runs	SLCC241C-C07	Dual hole clamp 1 5/8"x4, 4 runs, PP, M8
SLCC261-C01	Dual hole clamp 1/4"Rx6, 6 runs	SLCC261C-C07	Dual hole clamp 1 5/8"x6, 6 runs, PP, M8
SLCC221-C02	Dual hole clamp 3/8"Sx2, 2 runs	SLCC221-C08	Dual hole clamp 1/2"Sx2, 2 runs
SLCC241-C02	Dual hole clamp 3/8"Sx4, 4 runs	SLCC241-C08	Dual hole clamp 1/2"Sx4, 4 runs
SLCC261-C02	Dual hole clamp 3/8"Sx6, 6 runs	SLCC261-C08	Dual hole clamp 1/2"Sx6, 6 runs
SLCC221-C03	Dual hole clamp 1/2'R'x2, 2 runs	SLCC221-C09	Dual hole clamp 1/4"Sx2, 2 runs
SLCC241-C03	Dual hole clamp 1/2'R'x4, 4 runs	SLCC241-C09	Dual hole clamp 1/4"Sx4, 4 runs
SLCC261-C03	Dual hole clamp 1/2'R'x6, 6 runs	SLCC261-C09	Dual hole clamp 1/4"Sx6, 6 runs
SLCC221-C05	Dual hole clamp 7/8"x2, 2 runs	SLCCT221-C03	Dual hole clamp 1/2'R'x2, 2 runs, DACRO
SLCC241-C05	Dual hole clamp 7/8"x4, 4 runs	SLCCT241-C03	Dual hole clamp 1/2'R'x4, 4 runs, DACRO
SLCC261-C05	Dual hole clamp 7/8"x6, 6 runs	SLCCT261-C03	Dual hole clamp 1/2'R'x6, 6 runs, DACRO
SLCC221-C06	Dual hole clamp 1 1/4"x2, 2 runs, Nylon	SLCCT221-C05	Dual hole clamp 7/8"x2, 2 runs, DACRO
SLCC241-C06	Dual hole clamp 1 1/4"x4, 4 runs, Nylon	SLCCT241-C05	Dual hole clamp 7/8"x4, 4 runs, DACRO
SLCC261-C06	Dual hole clamp 1 1/4"x6, 6 runs, Nylon	SLCCT261-C05	Dual hole clamp 7/8"x6, 6 runs, DACRO
SLCC221C-C06	Dual hole clamp 1 1/4"x2, 2 runs, PP	SLCCT221-C06	Dual hole clamp 1 1/4"x2, 2 runs, DACRO
SLCC241C-C06	Dual hole clamp 1 1/4"x4, 4 runs, PP	SLCCT241-C06	Dual hole clamp 1 1/4"x4, 4 runs, DACRO
SLCC261C-C06	Dual hole clamp 1 1/4"x6, 6 runs, PP	SLCCT261-C06	Dual hole clamp 1 1/4"x6, 6 runs, DACRO
SLCC221-C07	Dual hole clamp 1 5/8"x2, 2 runs, Nylon, M10	SLCCT221-C07	Dual hole clamp 1 5/8"x2, 2 runs, DACRO
SLCC241-C07	Dual hole clamp 1 5/8"x4, 4 runs, Nylon, M10	SLCCT241-C07	Dual hole clamp 1 5/8"x4, 4 runs, DACRO
SLCC261-C07	Dual hole clamp 1 5/8"x6, 6 runs, Nylon, M10	SLCCT261-C07	Dual hole clamp 1 5/8"x6, 6 runs, DACRO

## Feeder Clamp: Hook Clamp



### General Description

- The clamp is designed to secure 1 to 4 cables with the dimensions of 1/2", 7/8", 1 1/4", 1 5/8" and so on
- It is installed on cable ladder, rung, bracket, i-beam, profile such as towers, ladders and masts at telecom site
- Without additional adapters, provide sturdy, reliable, long-term support

### Feature and Benefit

- Easy-to-install
- Wind loaded
- UV and corrosion resistant with SUS304 bracket
- Capable to working in extreme temperature
- Recommend distance of clamps: 0.8~1.0m

### Product Number

Part Number	Description
SLCC112-C03	Hook clamp 1/2"Rx1, 1 run
SLCC122-C03	Hook clamp 1/2"Rx2, 2 runs
SLCC132-C03	Hook clamp 1/2"Rx3, 3 runs
SLCC142-C03	Hook clamp 1/2"Rx4, 4 runs
SLCC112-C05	Hook clamp 7/8"x1, 1 run
SLCC122-C05	Hook clamp 7/8"x2, 2 runs
SLCC132-C05	Hook clamp 7/8"x3, 3 runs
SLCC142-C05	Hook clamp 7/8"x4, 4 runs
SLCC112-C06	Hook clamp 1 1/4"Rx1, 1 run
SLCC122-C06	Hook clamp 1 1/4"Rx2, 2 runs
SLCC132-C06	Hook clamp 1 1/4"Rx3, 3 runs
SLCC142-C06	Hook clamp 1 1/4"Rx4, 4 runs
SLCC112-C07	Hook clamp 1 5/8"Rx1, 1 run
SLCC122-C07	Hook clamp 1 5/8"Rx2, 2 runs
SLCC132-C07	Hook clamp 1 5/8"Rx3, 3 runs
SLCC142-C07	Hook clamp 1 5/8"Rx4, 4 runs



## Feeder Clamp: Hose Clamp



### General Description

- It is installed on pole masts at telecom site
- Without additional adapters, provide sturdy, reliable, long-term support

### Feature and Benefit

- Easy-to-install
- Wind loaded
- UV and corrosion resistant with SUS304 bracket
- Capable to working in extreme temperature
- Recommend distance of clamps: 0.8~1.0m

### Product Number

Part Number	Description	Part Number	Description
SLCC113-C01	Hose clamp single hole 1/4"Rx1, 1 run	SLCC223-C01	Hose clamp dual holes 1/4"Rx2, 2 runs
SLCC123-C01	Hose clamp single hole 1/4"Rx1, 2 runs	SLCC243-C01	Hose clamp dual holes 1/4"Rx4, 4 runs
SLCC133-C01	Hose clamp single hole 1/4"Rx1, 3 runs	SLCC263-C01	Hose clamp dual holes 1/4"Rx6, 6 runs
SLCC113-C02	Hose clamp single hole 3/8"Sx1, 1 run	SLCC223-C02	Hose clamp dual holes 3/8"Sx2, 2 runs
SLCC123-C02	Hose clamp single hole 3/8"S x1, 2 runs	SLCC243-C02	Hose clamp dual holes 3/8"Sx4, 4 runs
SLCC133-C02	Hose clamp single hole 3/8"Sx1, 3 runs	SLCC263-C02	Hose clamp dual holes 3/8"Sx6, 6 runs
SLCC113-C03	Hose clamp single hole 1/2"Rx1, 1 run	SLCC223-C03	Hose clamp dual holes 1/2"Rx2, 2 runs
SLCC123-C03	Hose clamp single hole 1/2"Rx1, 2 runs	SLCC243-C03	Hose clamp dual holes 1/2"Rx4, 4 runs
SLCC133-C03	Hose clamp single hole 1/2"Rx1, 3 runs	SLCC263-C03	Hose clamp dual holes 1/2"Rx6, 6 runs
SLCC113-C05	Hose clamp single hole 7/8"x1, 1 run	SLCC223-C05	Hose clamp dual holes 7/8"x2, 2 runs
SLCC123-C05	Hose clamp single hole 7/8"x1, 2 runs	SLCC243-C05	Hose clamp dual holes 7/8"x4, 4 runs
SLCC133-C05	Hose clamp single hole 7/8"x1, 3 runs	SLCC263-C05	Hose clamp dual holes 7/8"x6, 6 runs
SLCC113-C06	Hose clamp single hole 1 1/4"x1, 1 run	SLCC223-C06	Hose clamp dual holes 1 1/4"x2, 2 runs
SLCC123-C06	Hose clamp single hole 1 1/4"x1, 2 runs	SLCC243-C06	Hose clamp dual holes 1 1/4"x4, 4 runs
SLCC133-C06	Hose clamp single hole 1 1/4"x1, 3 runs	SLCC263-C06	Hose clamp dual holes 1 1/4"x6, 6 runs
SLCC113-C07	Hose clamp single hole 1 5/8"x1, 1 run	SLCC223-C07	Hose clamp dual holes 1 5/8"x2, 2 runs
SLCC123-C07	Hose clamp single hole 1 5/8"x1, 2 runs	SLCC243-C07	Hose clamp dual holes 1 5/8"x4, 4 runs
SLCC133-C07	Hose clamp single hole 1 5/8"x1, 3 runs	SLCC263-C07	Hose clamp dual holes 1 5/8"x6, 6 runs
SLCC113-C08	Hose clamp single hole 1/2"Sx1, 1 run	SLCC223-C08	Hose clamp dual holes 1 5/8"x2, 2 runs
SLCC123-C08	Hose clamp single hole 1/2"Sx1, 2 runs	SLCC243-C08	Hose clamp dual holes 1 5/8"x4, 4 runs
SLCC133-C08	Hose clamp single hole 1/2"Sx1, 3 runs	SLCC263-C08	Hose clamp dual holes 1 5/8"x6, 6 runs
SLCC113-C09	Hose clamp single hole 1/4"Sx1, 1 run	SLCC223-C09	Hose clamp dual holes 1/4"Sx2, 2 runs
SLCC123-C09	Hose clamp single hole 1/4"Sx1, 2 runs	SLCC243-C09	Hose clamp dual holes 1/4"Sx4, 4 runs
SLCC133-C09	Hose clamp single hole 1/4"Sx1, 3 runs	SLCC263-C09	Hose clamp dual holes 1/4"Sx6, 6 runs

## Feeder Clamp: Hoop Clamp



### General Description

- The clamp is designed to secure 1 cable 1/2", 7/8", 1 1/4", 1 5/8" and so on
- Without additional adapters, can provide sturdy, reliable, long-term support
- The clamp can be installed on cable ladder, rung, bracket, i-beam, profile such as towers, ladders and masts at telecom site

### Feature and Benefit

- Easy-to-install
- Wind loaded
- UV and corrosion resistant with SUS304 bracket
- Capable to working in extreme temperature
- Recommend distance of clamps: 0.8~1.0m

### Product Number

Part Number	Description
SLCC115-C03	Hoop clamp 1/2"Rx1, 1 run
SLCC115-C05	Hoop clamp 7/8"x1, 1 run
SLCC115-C06	Hoop clamp 1 1/4"x1, 1 run
SLCC115-C07	Hoop clamp 1 5/8"x1, 1 run

## Fiber and Power Cable Clamp



### General Description

- The clamp is designed to secure 2 to 6 fiber cables and power cables
- It is installed on cable ladder, rung, bracket, i-beam, profile such as towers, ladders and masts at telecom site
- Without additional adapters, provide sturdy, reliable, long-term support

### Feature and Benefit

- Provide various fiber cable and power cable with rubber insert
- Easy-to-install
- Wind loaded
- UV and corrosion resistant with SUS304 bracket
- Capable to working in extreme temperature
- Recommend distance of clamps: 0.5m

### Product Number

Part Number	Description
SLCC221-ZF1	Dual hole clamp for fiber $\Phi 4.5\sim 7\text{mm}$ and power cable $\Phi 9\sim 13\text{mm}$ , 2 runs
SLCC241-ZF1	Dual hole clamp for fiber $\Phi 4.5\sim 7\text{mm}$ and power cable $\Phi 9\sim 13\text{mm}$ , 4 runs
SLCC261-ZF1	Dual hole clamp for fiber $\Phi 4.5\sim 7\text{mm}$ and power cable $\Phi 9\sim 13\text{mm}$ , 6 runs
SLCC261-PF1C38	Dual hole clamp for fiber $\Phi 4.5\sim 7\text{mm}$ and power cable $\Phi 9\sim 13\text{mm}$ , 6 runs, rod 3/8"
SLCC2C1-PF1C38	Dual hole clamp for fiber $\Phi 4.5\sim 7\text{mm}$ and power cable $\Phi 9\sim 13\text{mm}$ , 12 runs, rod 3/8"
SLCC241-PF2	Dual hole clamp for fiber $\Phi 4.5\sim 7\text{mm}$ and power cable $\Phi 15\sim 16\text{mm}$ , 4 runs
SLCC241-PF3	Dual hole clamp for fiber $\Phi 4.5\sim 7\text{mm}$ and power cable $\Phi 22\text{mm}$ , 4 runs
SLCC221-PF6	Dual hole clamp for fiber $\Phi 9\sim 13\text{mm}$ and power cable $\Phi 17.5\sim 19\text{mm}$ , rod M8, 2 runs
SLCC241-PF6	Dual hole clamp fiber $\Phi 9\sim 13\text{mm}$ and power cable $\Phi 17.5\sim 19\text{mm}$ , rod M8, 4 runs
SLCC261-PF6	Dual hole clamp fiber $\Phi 9\sim 13\text{mm}$ and power cable $\Phi 17.5\sim 19\text{mm}$ , rod M8, 6 runs
SLCC248-PF10	2 fibers $\Phi 7\text{mm}$ and 2 power cables $\Phi 15\sim 15.5\text{mm}$ , rod 3/8"
SLCCT391-PF12	Three hole clamp for fiber $\Phi 7\text{mm}$ and 2 power cable $\Phi 10\text{mm}$ , 9 runs
SLCC221-PF14	Dual hole clamp for fiber $\Phi 4.5\sim 7\text{mm}$ , 2 runs
SLCC241-PF14	Dual hole clamp for fiber $\Phi 4.5\sim 7\text{mm}$ , 4 runs
SLCC261-PF14	Dual hole clamp for fiber $\Phi 4.5\sim 7\text{mm}$ , 6 runs

Part Number	Description
SLCC223-PF22	Hose cable clamp for $\Phi 7\sim 8$ mm cable, 2 runs
SLCC122C-PF22	Single hole fiber and power cable $\Phi 7\sim 8$ mm cable, 2 runs
SLCC122-PF22	Single hole fiber and power cable $\Phi 7\sim 8$ mm, 2 runs
SLCC261-PF26	Dual hole clamp for fiber $\Phi 10\sim 11$ mm and power cable $\Phi 27.2\sim 28.2$ mm, 6 runs
SLCCD261-P1819F4.57.5	Dual hole clamp for fiber $\Phi 4.5\sim 7$ mm and power cable $\Phi 18\sim 19$ mm, 6 runs
SLCC172C-P1222F0708	Hook clamp for fiber $\Phi 7\sim 8$ mm and power cable $\Phi 12\sim 22$ mm, 7 runs
SLCC261-PF35	Clamp for 3FO $\Phi 7$ mm, 3DC $\Phi 10\sim 14$ mm
SLCC261-PF32	Clamp for 3FO $\Phi 7$ mm, 3DC $\Phi 10\sim 16$ mm
SLCC261B-PF32	Clamp for 3FO $\Phi 7$ mm, 3DC $\Phi 10\sim 14$ mm with press plate
SLCC261B-PF26	Clamp for 3FO $\Phi 7$ mm, 3DC $\Phi 16.5\sim 23.5$ mm with press plate
SLCC221-PF13	Dual hole clamp for fiber $\Phi 4.5\sim 7$ mm and power cable $\Phi 14\sim 17$ mm, 2 runs
SLCC241-PF13	Dual hole clamp for fiber $\Phi 4.5\sim 7$ mm and power cable $\Phi 14\sim 17$ mm, 4 runs
SLCC261-PF13	Dual hole clamp for fiber $\Phi 4.5\sim 7$ mm and power cable $\Phi 14\sim 17$ mm, 6 runs
SLCC281-PF13	Dual hole clamp for fiber $\Phi 4.5\sim 7$ mm and power cable $\Phi 14\sim 17$ mm, 8 runs
SLCC2A1-PF13	Dual hole clamp for fiber $\Phi 4.5\sim 7$ mm and power cable $\Phi 14\sim 17$ mm, 10 runs
SLCC221-PF15	Dual hole clamp for fiber $\Phi 4.5\sim 7$ mm and power cable $\Phi 20$ mm, 2 runs
SLCC241-PF15	Dual hole clamp for fiber $\Phi 4.5\sim 7$ mm and power cable $\Phi 20$ mm, 4 runs
SLCC261-PF15	Dual hole clamp for fiber $\Phi 4.5\sim 7$ mm and power cable $\Phi 20$ mm, 6 runs
SLCC221-PF27	Dual hole clamp for fiber $\Phi 4.5\sim 7$ mm and power cable $\Phi 18\sim 19$ mm, 2 runs
SLCC241-PF27	Dual hole clamp for fiber $\Phi 4.5\sim 7$ mm and power cable $\Phi 18\sim 19$ mm, 4 runs
SLCC261-PF27	Dual hole clamp for fiber $\Phi 4.5\sim 7$ mm and power cable $\Phi 18\sim 19$ mm, 6 runs
SLCC281-PF27	Dual hole clamp for fiber $\Phi 4.5\sim 7$ mm and power cable $\Phi 18\sim 19$ mm, 8 runs

## Quick Fiber and Power Cable Clamp



### General Description

- The clamp is designed to secure 2 to 6 fiber cables and power cables
- It is installed on cable ladder, rung, bracket, i-beam, profile such as towers, ladders and masts at telecom site.
- Without additional adapters, provide sturdy, reliable, long-term support

### Feature and Benefit

- parts reduced, the design more simple and well management
- 9 installation steps saves and easy installation on-site
- 42% lighter ,the product use s the composite resin material
- 60% the installation space saved as product size is smaller
- 5 times faster, installation is more quicker, save time and cost
- More cost-effective

### Product Number

Part Number	Description
SLCC221B-PF18	Dual hole clamp for fiber $\Phi$ 5and 7mm and Power cable $\Phi$ 13mm,2 runs
SLCC241B-PF18	Dual hole clamp for fiber $\Phi$ 5 and 7mm and Power cable $\Phi$ 13mm,4 runs
SLCC261B-PF18	Dual hole clamp for fiber $\Phi$ 5 and 7mm and Power cable $\Phi$ 13mm,6 runs

## Hybrid Cable Clamp



### General Description

- The clamp is designed to secure 1 hybrid cable
- Without additional adapters, can provide sturdy, reliable, long-term support
- The clamp can be installed on cable ladder, rung, bracket, i-beam, profile such as towers, ladders and masts at telecom site
- It is installed on cable ladder, rung, bracket, i-beam, profile such as towers, ladders and masts at telecom site

### Feature and Benefit

- Various type of hybrid cable
- Easy-to-install
- Wind loaded
- UV and corrosion resistant with SUS304 bracket
- Capable to working in extreme temperature
- Recommend distance of clamps: 0.8~1.0m

### Product Number

Part Number	Description
SLCC111-C05	Cable clamp for 7/8" hybrid cable
SLCC111-29	Clamp for 29 hybrid cable
SLCC111-32.5	Clamp for 32.5 hybrid cable
SLCC111-38	Clamp for 38 hybrid cable

Special requirement is available

## Leaky Cable Clamp: Standard



### General Description

- The clamp is designed to secure 1 leaky cable 1/2", 7/8", 1 1/4", 1 5/8"
- Ensure a quick fastening of the cable just pushing the cable to the clamp by hand
- The clamp can be installed on the ceiling and wall

### Feature and Benefit

- Easy and quick-to-install
- UV and corrosion resistant
- Capable to working in extreme temperature
- Recommend distance of clamps: 0.5~1.5m

### Product Number

Part Number	Description
SLCC111-L01C03	Cable clamp for 1/2"R leaky cable
SLCC111-L01C05	Cable clamp for 7/8" leaky cable
SLCC111-L01C06	Cable clamp for 1 1/4" leaky cable
SLCC111-L01C07	Cable clamp for 1 5/8" leaky cable

## Leaky Cable Clamp: Fire Protection



### General Description

- The clamp is designed to secure 1 leaky cable 7/8", 1 1/4", 1 5/8" with steel hoop
- Ensure a quick fastening of the cable just pushing the cable to the clamp by hand
- The clamp can be installed on the ceiling and wall

### Feature and Benefit

- Fire resistant and protection
- Easy and quick-to-install
- UV and corrosion resistant
- Capable to working in extreme temperature
- Recommend distance of clamps: 8~10m

### Product Number

Part Number	Description
SLCC111-L02C05	Cable clamp for 7/8" leaky cable
SLCC111-L02C06	Cable clamp for 1 1/4" leaky cable
SLCC111-L02C07	Cable clamp for 1 5/8" leaky cable



# Hanger

## Hanger: Clip-in



### General Description

- The hanger is designed to secure cable 1/2", 7/8", 1 1/4", 1 5/8"
- Mounted to the support structure with hardware simply
- Latch the clip type locking mechanism and the cable is held in place

### Feature and Benefit

- The next generation hanger and offering exceptional ease of use
- Easy-to-install: no more tightening screws or loosening nuts overtime
- UV and corrosion resistant with SUS304
- Capable to working in extreme temperature

### Product Number

Part Number	Description
RLCIH-C03	Clip in hanger for 1/2"R radiating cable
RLCIH-C05	Clip in hanger for 7/8" radiating cable
RLCIH-C06	Clip in hanger for 1 1/4" radiating cable
RLCIH-C07	Clip in hanger for 1 5/8" radiating cable

## Hanger: Butterfly



### General Description

- The butterfly hanger provide a means of securing a single run of cable 1/2", 7/8", 1 1/4", 1 5/8"
- Used with C-clamp or hose clamp, can provide sturdy, reliable, long-term support
- The hanger can be installed on cable ladder, rung, bracket, i-beam, profile such as towers, ladders and masts at telecom site

### Feature and Benefit

- Easy-to-install
- UV and corrosion resistant with SUS304
- Capable to working in extreme temperature

### Product Number

Part Number	Description
SLBH114-C03	Butterfly hanger for 1/2"R cable
SLBH114-58	Butterfly hanger for 5/8" cable
SLBH114-C05	Butterfly hanger for 7/8" cable
SLBH114-C06	Butterfly hanger for 1 1/4" cable
SLBH114-C07	Butterfly hanger for 1 5/8" cable
SLBH114-214	Butterfly hanger for 2 1/4" cable

## Hanger: Click



### General Description

- The hanger is designed to secure 1 leaky cable or used indoor for mounting cable
- Ensure a quick fastening of the cable just pushing the cable to the clamp by hand
- The hanger with additional adapters can be installed on the ceiling and wall

### Feature and Benefit

- Easy-to-install
- UV and corrosion resistant with PA
- Capable to working in extreme temperature

### Product Number

Part Number	Description
RLSLH-C03	Self locking hanger for 1/2"R radiating cable
RLSLH-C05	Self locking hanger for 7/8" radiating cable
RLSLH-C06	Self locking hanger for 1 1/4" radiating cable
RLSLH-C07	Self locking hanger for 1 5/8" radiating cable

## Rubber Sleeve



### General Description

- The rubber sleeve is designed to secure appropriate size cable when mounting cable
- Provide various size according to the cable requirements
- The grommets and cable inserts are used for fiber and power cable clamp generally

### Feature and Benefit

- Easy-to-install
- UV and corrosion resistant with EPDM
- Use where extreme temperature capability

### Product Number

Part Number	Description
SLRS01-C05-0407	Rubber insert 04/07 for 7/8" cable clamp
SLRS01-C05-0711	Rubber insert 07/11 for 7/8" cable clamp
SLRS01-C05-1117	Rubber insert 11/17 for 7/8" cable clamp
SLRS01-C06-0407	Rubber insert 04/07 for 1 1/4" cable clamp
SLRS01-C06-0711	Rubber insert 07/11 for 1 1/4" cable clamp
SLRS01-C06-1720	Rubber insert 17/20 for 1 1/4" cable clamp
SLRS01-C06-3032	Rubber insert 30/32 for 1 1/4" cable clamp

# Hoisting Grip Kit (Pre-Laced)



## General Description

- The clamp is designed to lift and support cable 1/2", 7/8", 1 1/4", 1 5/8" in monopole or on tower
- Pre-laced hoisting grip features a closed-mesh design allowing the grip to slip over an unterminated end of coax and securely tighten when pulled
- Provides permanent support once in place while resisting strain, pull-out, flexure or vibration

## Feature and Benefit

- More faster, safety and permanent cable support
- Speed and easy-to-install by eliminating time consuming lacing
- UV and corrosion resistant with SUS304 materials
- Use where extreme temperature capability

## Product Number

Part Number	Description
SLHG001-C01	Pre-laced hoisting grip for 1/4"R cable
SLHG001-C03	Pre-laced hoisting grip for 1/2"R cable
SLHG001-58	Pre-laced hoisting grip for 5/8" cable
SLHG001-C05	Pre-laced hoisting grip for 7/8" cable
SLHG001-C06	Pre-laced hoisting grip for 1 1/4" cable
SLHG001-C07	Pre-laced hoisting grip for 1 5/8" cable
SLHG001-214	Pre-laced hoisting grip for 2 1/4" cable

## Hoisting Grip Kit (Lace-Up)



### General Description

- The clamp is designed to lift and support cable 1/2", 7/8", 1 1/4", 1 5/8" in monopole or on tower
- Lace-up hoisting grip, with mesh grip for single eye support
- Provides reliable means for hoisting coax cable into position and can then be tied off as a permanent support once in place, the lace-up design allows for the grip to be attached even after the run has been terminated

### Feature and Benefit

- More faster, safety and permanent cable support
- Speed and Easy-to-install by eliminating time consuming lacing
- UV and Corrosion resistant with SUS304 materials
- Use where extreme temperature capability

### Product Number

Part Number	Description
SLHG003-C03	Lace-up hoisting grip for 1/2"R cable
SLHG003-58	Lace-up hoisting grip for 5/8" cable
SLHG003-C05	Lace-up hoisting grip for 7/8" cable
SLHG003-C06	Lace-up hoisting grip for 1 1/4" cable
SLHG003-C07	Lace-up hoisting grip for 1 5/8" cable
SLHG003-214	Lace-up hoisting grip for 2 1/4" cable

# Cable Entry

## Cable Entry: Boot



### General Description

- The clamp is designed for ease of installation and fit onto cable entry plate in wall or roof
- Each boot assembly includes a boot and hose clamp
- Can be conjunction with the cable insert to hold the coax run in place
- Used together with the corresponding size rubber cable entry plate

### Feature and Benefit

- More faster, safety and permanent cable support
- Speed and reduce installation time and difficult
- Various combination with entry plate
- UV and corrosion resistant with EDPM rubber and stainless steel
- Working in extreme temperature capability

### Product Number

Part Number	Description
SLEB041-C01	4" cable entry boots with 4 holes for 1/4"R feeder cable, should be used with 4" cable entry plates together
SLEB031-C01	4" cable entry boots with 3 holes for 1/4"R feeder cable, should be used with 4" cable entry plates together
SLEB021-C01	4" cable entry boots with 2 holes for 1/4"R feeder cable, should be used with 4" cable entry plates together
SLEB011-C01	4" cable entry boots with 1 hole for 1/4"R feeder cable, should be used with 4" cable entry plates together
SLEB041-C03	4" cable entry boots with 4 holes for 1/2"R feeder cable, should be used with 4" cable entry plates together
SLEB031-C03	4" cable entry boots with 3 holes for 1/2"R feeder cable, should be used with 4" cable entry plates together
SLEB021-C03	4" cable entry boots with 2 holes for 1/2"R feeder cable, should be used with 4" cable entry plates together
SLEB011-C03	4" cable entry boots with 1 hole for 1/2"R feeder cable, should be used with 4" cable entry plates together
SLEB041-C05	4" cable entry boots with 4 holes for 7/8" feeder cable, should be used with 4" cable entry plates together
SLEB031-C05	4" cable entry boots with 3 holes for 7/8" feeder cable, should be used with 4" cable entry plates together
SLEB021-C05	4" cable entry boots with 2 holes for 7/8" feeder cable, should be used with 4" cable entry plates together
SLEB011-C05	4" cable entry boots with 1 hole for 7/8" feeder cable, should be used with 4" cable entry plates together
SLEB011-C06	4" cable entry boots with 1 hole for 1 1/4" feeder cable, should be used with 4" cable entry plates together
SLEB011-C07	4" cable entry boots with 1 hole for 1 5/8" feeder cable, should be used with 4" cable entry plates together

## Cable Entry: Plate



### General Description

- The entry plate is designed for wall or roof installations or can be used inside to enhance
- Multiple entrance plate with one to more 4" holes, included anchor bolts and sealing caps
- Used together with the corresponding size rubber cable boot

### Feature and Benefit

- More faster, safety and permanent cable support
- Sealing caps are furnished on each port of an entry plate and may be replaced with boots for an active port
- Various combination with entry boot
- UV and corrosion resistant with aluminum plate with painted
- Use where extreme temperature capability

### Product Number

Part Number	Description
SLEP001-101	4" cable entry plates, 1 port, should be used with 4" cable entry boots
SLEP001-102	4" cable entry plates, 2 ports, should be used with 4" cable entry boots
SLEP001-103	4" cable entry plates, 3 ports, should be used with 4" cable entry boots
SLEP001-202	4" cable entry plates, 4 ports, should be used with 4" cable entry boots
SLEP001-203	4" cable entry plates, 6 ports, should be used with 4" cable entry boots
SLEP001-204	4" cable entry plates, 8 ports, should be used with 4" cable entry boots
SLEP001-304	4" cable entry plates, 12 ports, should be used with 4" cable entry boots
SLEP001-404	4" cable entry plates, 16 ports, should be used with 4" cable entry boots
SLEP001-405	4" cable entry plates, 20 ports, should be used with 4" cable entry boots



## Optical Distribution Frame (ODF)



### General Description

- Optical distribution frame is intended for installation and termination of fiber optic cables
- It is used for fiber optic cable fixation, protection, termination, patching etc
- It is widely applied in Local Central Office

### Feature and Benefit

- Frame material: cold-rolled steel, stainless steel material is optional if customer specified
- Electrostatic spraying technology adopted
- Fully closed structure with the advantage of dust-proof
- All operations in front, the cable can be introduced either from above or below of the frame subject to different requirements
- 12-core integrated splice and distribution module or ODF unit design is adopted
- Suitable for installation of FC square, SC, DLC (SC type) adaptors
- Reliable fiber optic protection, flexible frame fixing and grounding devices

### Product Number

Part Number	Description
RJODF-DM-504	Cold-rolled steel ODF, 504F with 42 pieces of 12-core integrated splice and distribution module (RLODF-DM-12), 2m height
RJODF-DM-576	Cold-rolled steel ODF, 576F with 48 pieces of 12-core integrated splice and distribution module (RLODF-DM-12), 2.2m height
RJODF-DM-720	Cold-rolled steel ODF, 720F with 60 pieces of 12-core integrated splice and distribution module (RLODF-DM-12), 2.6m height
RJODF-DU-504	Cold-rolled steel ODF, 504F with 7 sets of 72-core ODF unit (RLODF-DU-72), 2m height
RJODF-DU-576	Cold-rolled steel ODF, 576F with 8 sets of 72-core ODF unit (RLODF-DU-72), 2.2m height
RJODF-DU-720	Cold-rolled steel ODF, 720F with 10 sets of 72-core ODF unit (RLODF-DU-72), 2.6m height
SLEP001-304	4" cable entry plates, 12 ports, should be used with 4" cable entry boots
SLEP001-404	4" cable entry plates, 16 ports, should be used with 4" cable entry boots
SLEP001-405	4" cable entry plates, 20 ports, should be used with 4" cable entry boots

## Fiber Joint Closure: Dome Type



### General Description

- Fiber joint closure is used for outdoor cable distribution, splicing, storage and splicing point protection
- Can be used in aerial mounting, wall mounting, pole mounting or direct buried installations

### Feature and Benefit

- Advanced internal structure design with enough space for fiber splicing and storage
- Internal and external steel parts are made of stainless steel
- Suitable for single fiber or ribbon fibers
- Base and dome sealed with clamp and O-ring system
- Protection rating IP68
- Cable ports with mechanical or heat shrinkable sealing
- Various capacity to choose

### Product Number

Part Number	Description
RLJC-DM01-024-x	Dome type joint closure, mechanical sealing, 24F
RLJC-DS01-096-x	Dome type joint closure, heat shrinkable sealing, 96F

Note:

Dome type joint closures with different cable ports quantity and capacity are available

## Fiber Joint Closure: In-line Type



### General Description

- Fiber joint closure is used for outdoor cable distribution, splicing, storage and splicing point protection
- Can be used in aerial mounting, wall mounting installations
- It handles straight joints, branch joints and mid-span access

### Feature and Benefit

- Advanced internal structure design with enough space for fiber splicing and storage
- Internal and external steel parts are made of stainless steel
- Suitable for single fiber or ribbon fibers
- Protection rating IP68
- Cable ports with mechanical sealing
- Various capacity to choose

### Product Number

Part Number	Description
RLJC-IL01-024-x	In-line type joint closure, 24F
RLJC-IL01-048-x	In-line type joint closure, 48F
RLJC-IL01-096-x	In-line type joint closure, 96F

Note:

In-line type joint closures with different cable ports quantity and capacity are available

## Outdoor Cable Cross Connection Cabinet (OC)



### General Description

- Outdoor cable cross connection cabinet is designed to handle fiber optic terminations and passive optical splitters in PON FTTx networks
- It is used as a demarcation point between the feeder network and the distribution network and provides quick and easy incremental installation of distribution cable terminations and fiber optic splitters
- It is equipped with connector panel for end-user connections, connector panel for feeder cable terminations and splitter rack for splitter installation

### Feature and Benefit

- Cabinets with SMC material: heat insulation, waterproof and good corrosion resistance, stainless steel material is optional if customer specified
- High performance rubber seals: effective rain and dust proof for outdoor environment
- Modules individually removable: easy to construct and maintain
- Reliable cable fixing and grounding protection devices
- Safe and reliable fiber optic storage and protection
- PLC splitter are available in different splitter ratios
- Ground installation

### Product Number

Part Number	Description
RJOC-01-144	Outdoor cabinet, SMC material, 144F, with base
RJOC-01-288	Outdoor cabinet, SMC material, 288F, with base
RJOC-01-576	Outdoor cabinet, SMC material, 576F, with base
RJOC-01-1152	Outdoor cabinet, SMC material, 1152F, with base

Note:  
Different type of OCC and various capacity are available

## Optical Distribution Box (ODB)



### Feature and Benefit

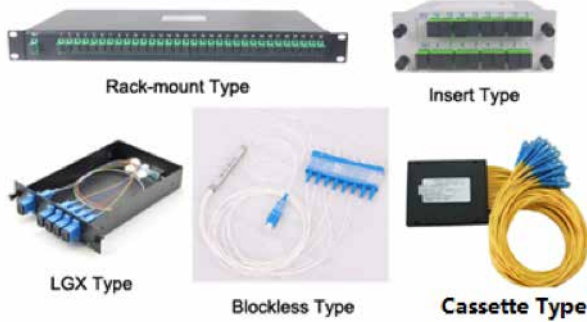
- Material: PC+ABS, wet-proof, water-proof, dust-proof, anti-aging
- Protection rating IP65
- Clamping for feeder cable and drop cable, fiber splicing, fixation, storage, distribution, etc all in one
- Cable, pigtails, patch cords are running through own path without disturbing each other
- Wall-mounted or poled-mounted, indoor or outdoor installation
- Suitable for fast field connector application
- Suitable for PLC splitter installation

### Product Number

Part Number	Description
RLODB-8C-GW-GY	8 cores, PC+ABS, SC adapter panel, suitable for blockless type splitter, gray color, wall mounted accessory included
RLODB-16C-GW-GY	16 cores, PC+ABS, suitable for insert type splitter, gray color, wall mounted accessory included

Note:  
Other type optical distribution box are available

## PLC Fiber Optic Splitter (FOS-PLC)



### General Description

- Planar lightwave circuit (PLC) splitter is a type of optical power management device that is fabricated using silica optical waveguide technology
- It has small size, high reliability, wide operating wavelength range
- Application for EPON, GPON, FTTx networks
- G657A1 fiber or customer specified
- Splitter ration from 1:2 to 1:64

### Feature and Benefit

- Low insertion loss
- Low PDL
- Compact design
- High reliability and stability
- Good channel uniformity
- Different package style (Cassette type, blockless (micro) type, bare fiber type, rack-mount type, insert type or LGX type)
- Conformed to Telcordia GR-1209, GR-1221 standard and RoHS

### Product Number

Part Number	Description
RLS-PLC116-2L1-SC-C	1:16, cassette type, 2.0mm PVC jacket, G657A1, with SC/UPC connectors, 1m fiber length
RLS-PLC132L1-ASC-M	1:32, blockless type, 0.9mm Hytrel jacket, G657A1, with SC/APC connectors, 1m fiber length
RLS-PLC108-SC-I	1:8, insert type, with SC/UPC adapters
RLS-PLC132-SC-R	1:32 splitter ratio, rack-mount type, with SC/UPC adapters

Note:  
Other type optical distribution box are available



## **GROUNDING AND LIGHTNING PRODUCTS**

**Grounding Kit For Feeder Cable**  
**Quick Grounding Kit**  
**Grounding Kit For Power Cable**  
**Universal Grounding Kit**  
**Earthing Part**

# Grounding Kit

A grounding kit diverts transient currents from lightning off the transmission line to the earth grounding system to prevent damage to cable and radio equipment

Rosenberger can provide various type grounding kits

## Grounding Kit: Spring Type



### General Description

- The grounding kit is designed the copper spring clip to provide reliable lightning protection
- Can provide several type of cables, such as 1/2", 7/8", 1 1/4", 1 5/8"
- The clip design and pre-formed strap allows for easy installation over the outer conductor
- All buss bar accessories hardware is included, along with required mastic and tape for weatherproofing

### Feature and Benefit

- Faster and easy installation
- Contact resistance < 4mOhm
- Current handling > 100KA
- Weatherproofing IP67
- UV and corrosion resistant

### Product Number

Part Number	Description
SLGK001-C02-060	Grounding kit (spring type) 3/8"S 600mm with 1 hole lug fitted, butyl rubber tape and electrical tape are not included
SLGK001-C03-060	Grounding kit (spring type) 1/2"R 600mm with 1 hole lug fitted, butyl rubber tape and electrical tape are not included
SLGK001-C05-060	Grounding kit (spring type) 7/8" 600mm with 1 hole lug fitted, butyl rubber tape and electrical tape are not included
SLGK001-C06-060	Grounding kit (spring type) 1 1/4"R 600mm with 1 hole lug fitted, butyl rubber tape and electrical tape are not included
SLGK001-C07-060	Grounding kit (spring type) 1 5/8"R 600mm with 1 hole lug fitted, butyl rubber tape and electrical tape are not included
SLGK001-C08-060	Grounding kit (spring type) 1/2"S 600mm with 1 hole lug fitted, butyl rubber tape and electrical tape are not included
SLGK001-C09-060	Grounding kit (spring type) 1/4"S 600mm with 1 hole lug fitted, butyl rubber tape and electrical tape are not included
SLGK001C-C05-060	Grounding kit (spring type) 7/8" 600mm with 1 hole lug fitted, butyl rubber tape and electrical tape are included
SLGK001D-C05-060	Grounding kit (spring type) 7/8" 600mm with 1 hole lug fitted, 3M butyl rubber tape and electrical tape are included
SLGK001E-C05-060	Grounding kit (spring type) 7/8" 600mm with 1 hole lug fitted, 3M butyl rubber tape and electrical tape are included
SLGK001A-C02-060	Grounding kit (spring type) 3/8"S 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGK001A-C03-060	Grounding kit (spring type) 1/2"R 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGK001A-C05-060	Grounding kit (spring type) 7/8" 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGK001A-C06-060	Grounding kit (spring type) 1 1/4"R 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included



Part Number	Description
SLGK001A-C07-060	Grounding kit (spring type) 1 5/8"R 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGK001A-C08-060	Grounding kit (spring type) 1/2"S 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGK001A-C09-060	Grounding kit (spring type) 1/4"S 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGKT001A-C02-060	Grounding kit (spring type) tinned 3/8"S 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGKT001A-C03-060	Grounding kit (spring type) tinned 1/2"R 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGKT001A-C05-050	Grounding kit (spring type) tinned 7/8" 500mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGKT001A-C05-060	Grounding kit (spring type) tinned 7/8" 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGKT001A-C06-060	Grounding kit (spring type) tinned 1 1/4"R 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGKT001A-C07-060	Grounding kit (spring type) tinned 1 5/8"R 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGKT001A-C08-060	Grounding kit (spring type) tinned 1/2"S 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGKT001A-C09-060	Grounding kit (spring type) tinned 1/4"S 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGKT001AB-C09-060	Grounding kit (spring type) tinned, PE, 1/4"S 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGKT001AB-C02-060	Grounding kit (spring type) tinned, PE, 3/8"S 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGKT001AB-C03-060	Grounding kit (spring type) tinned, PE, 1/2"R 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGKT001AB-C05-060	Grounding kit (spring type) tinned, PE, 7/8" 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGKT001AB-C06-060	Grounding kit (spring type) tinned, PE, 1 1/4"R 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGKT001AB-C07-060	Grounding kit (spring type) tinned, PE, 1 5/8"R 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are not included
SLGKT001AC-C09-060	Grounding kit (spring type) tinned 1/4"S 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are included
SLGKT001AC-C02-060	Grounding kit (spring type) tinned 3/8"S 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are included
SLGKT001AC-C03-060	Grounding kit (spring type) tinned 1/2"R 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are included
SLGKT001AC-C05-060	Grounding kit (spring type) tinned 7/8" 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are included
SLGKT001AC-C06-060	Grounding kit (spring type) tinned 1 1/4"R 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are included
SLGKT001AC-C07-060	Grounding kit (spring type) tinned 1 5/8"R 600mm with 2 holes lug fitted, butyl rubber tape and electrical tape are included
SLGKT001AD-C09-060	Grounding kit (spring type) tinned 1/4"S 600mm with 2 holes lug fitted, 3M butyl rubber tape and electrical tape are included
SLGKT001AD-C02-060	Grounding kit (spring type) tinned 3/8"S 600mm with 2 holes lug fitted, 3M butyl rubber tape and electrical tape are included
SLGKT001AD-C03-060	Grounding kit (spring type) tinned 1/2"R 600mm with 2 holes lug fitted, 3M butyl rubber tape and electrical tape are included
SLGKT001AD-C05-060	Grounding kit (spring type) tinned 7/8" 600mm with 2 holes lug fitted, 3M butyl rubber tape and electrical tape are included
SLGKT001AD-C06-060	Grounding kit (spring type) tinned 1 1/4"R 600mm with 2 holes lug fitted, 3M butyl rubber tape and electrical tape are included
SLGKT001AD-C07-060	Grounding kit (spring type) tinned 1 5/8"R 600mm with 2 holes lug fitted, 3M butyl rubber tape and electrical tape are included

Note: Special length of grounding cable is available.

# Grounding Kit: Copper Strap Type



## General Description

- The grounding kit is designed the copper strap over the outer conductor to provide reliable lightning protection
- Can provide several type of cables, such as 1/2", 7/8", 1 1/4", 1 5/8"
- The pre-formed copper strap allows for easy installation
- All buss bar accessories hardware is included, along with required mastic and tape for weatherproofing

## Feature and Benefit

- Faster and easy installation
- Contact resistance < 4mOhm
- Current handing > 50KA
- Weatherproofing IP67
- UV and corrosion resistant

## Product Number

Part Number	Description
SLGK002-C09-060	Grounding kit (copper strap type) 1/4"S 600mm with 1 hole lug fitted, butyl rubber tape and electrical tape are not included
SLGK002-C02-060	Grounding kit (copper strap type) 3/8"S 600mm with 1 hole lug fitted, butyl rubber tape and electrical tape are not included
SLGK002-C03-060	Grounding kit (copper strap type) 1/2"R 600mm with 1 hole lug fitted, butyl rubber tape and electrical tape are not included
SLGK002-C05-060	Grounding kit (copper strap type) 7/8" 600mm with 1 hole lug fitted, butyl rubber tape and electrical tape are not included
SLGK002-C06-060	Grounding kit (copper strap type) 1 1/4"R 600mm with 1 hole lug fitted, butyl rubber tape and electrical tape are not included
SLGK002-C07-060	Grounding kit (copper strap type) 1 5/8"R 600mm with 1 hole lug fitted, butyl rubber tape and electrical tape are not included

Note: Different length of cable is available

# Grounding Kit: Frame Type



## General Description

- The grounding kit is a one piece grounding assembly with weatherproofing molded right to the grounding strap
- Can provide several type of cables, such as 1/2", 7/8", 1 1/4", 1 5/8"
- Provides reliable means to diverts transient currents from lightning off the transmission line to the earth grounding system

## Feature and Benefit

- Compact structure
- Faster and easy installation
- Contact resistance < 4mOhm
- Current handing > 50KA
- Weatherproofing IP67
- No extra taping kit needed
- UV and corrosion resistant

## Product Number

Part Number	Description
SLGK004-C09-060	Grounding kit (frame type) 1/4"S 600mm with 1 hole lug fitted
SLGK004-C02-060	Grounding kit (frame type) 3/8"S 600mm with 1 hole lug fitted
SLGK004-C03-060	Grounding kit (frame type) 1/2"R 600mm with 1 hole lug fitted
SLGK004-C05-060	Grounding kit (frame type) 7/8" 600mm with 1 hole lug fitted
SLGK004-C06-060	Grounding kit (frame type) 1 1/4"R 600mm with 1 hole lug fitted
SLGK004-C07-060	Grounding kit (frame type) 1 5/8"R 600mm with 1 hole lug fitted
SLGK004A-C03-060	Grounding kit (frame type) 1/2"R 600mm with 2 holes lug fitted
SLGK004A-C03-150	Grounding kit (frametype) 1/2"R 1500mm with 2 holes lug fitted
SLGK004A-C05-060	Grounding kit (frame type) 7/8" 600mm with 2 holes lug fitted
SLGK004A-C05-070	Grounding kit (frame type) 7/8" 700mm with 2 holes lug fitted
SLGK004A-C05-150	Grounding kit (frame type) 7/8" 1500mm with 2 holes lug fitted
SLGK004A-C07-070	Grounding kit (frame type) 1 5/8" 700mm with 2 holes lug fitted
SLGK004A-C07-150	Grounding kit (frame type) 1 5/8" 1500mm with 2 holes lug fitted

Note: Different length of cable is available

# Grounding Kit: Quick Type



## General Description

- The grounding kit is a one piece grounding assembly with weatherproofing molded right to the grounding strap
- Can provide several type of cables, such as 1/2", 7/8", 1 1/4", 1 5/8"
- Provides reliable means to diverts transient currents from lightning off the transmission line to the earth grounding system

## Feature and Benefit

- Compact structure
- Faster and easy installation
- Contact resistance < 4mOhm
- Current handing > 50KA
- Weatherproofing IP67
- No extra taping kit needed
- UV and corrosion resistant

## Product Number

Part Number	Description
SLGK009-C03-060	Quickgrip grounding kit 1/2"R, copper cable 600mm with 2 holes lug fitted
SLGK009-C05-060	Quickgrip grounding kit 7/8", copper cable 600mm with 2 holes lug fitted
SLGK009-C06-060	Quickgrip grounding kit 1 1/4", copper cable 600mm with 2 holes lug fitted
SLGK009-C07-060	Quickgrip grounding kit 1 5/8", copper cable 600mm with 2 holes lug fitted

Note: Different length of cable is available

# Grounding Kit for Power Cable



## General Description

- The grounding kit is designed the copper sheet over the outer conductor to provide reliable lightning protection
- Can provide several power cable
- All buss bar accessories hardware is included, along with required mastic and tape for weatherproofing

## Feature and Benefit

- Faster and easy installation
- Contact resistance < 4mOhm
- Current handing > 50KA
- Weatherproofing IP67
- UV and corrosion resistant

## Product Number

Part Number	Description
SLGK002-P01-100	Grounding kits for RBK400 cable, 1000mm with 1 hole lug fitted
SLGK002B-P02-050	Grounding kits for two core 6mm <sup>2</sup> squareness, copper cable 500mm with 1 hole lug fitted, butyl rubber tape and electrical tape are not included
SLGK002B-P02-070	Grounding kits for two core 6mm <sup>2</sup> squareness, copper cable 700mm with 1 hole lug fitted, butyl rubber tape and electrical tape are not included
SLGK002B-P02-100	Grounding kits for two core 6mm <sup>2</sup> squareness, copper cable 1000mm with 1 hole lug fitted, butyl rubber tape and electrical tape are not included
SLGK002B-P02-150	Grounding kits for two core 6mm <sup>2</sup> squareness, copper cable 1500mm with 1 hole lug fitted, butyl rubber tape and electrical tape are not included
SLGK002H-P12-5000	DC cable grounding kit ,earthing cable 5000mm, without tapes
SLGK002HU-P13-1500	DC cable grounding kit ,earthing cable 1500mm, without tapes
SLGK002HU-P14-800	DC cable grounding kit ,earthing cable 800mm, without tapes
SLGK001HA-C05-080	7/8" feeder cable grounding kit ,earthing cable 800mm ,without tape

Note: Different length of cable is available

# Universal Grounding Kit



## General Description

- The grounding kit is designed the copper braided strap over the outer conductor to provide reliable lightning protection
- Universal grounding kit suitable for various cable sizes
- The pre-formed braided strap allows for easy installation
- All buss bar accessories hardware is included, along with required mastic and tape for weatherproofing

## Feature and Benefit

- Universal for various cable sizes
- Faster and easy installation
- Contact resistance < 4mOhm
- Current handing > 50KA
- Weatherproofing IP67
- UV and corrosion resistant

## Product Number

Part Number	Description
SLGK008-D01-060	1/4"-3/8",RG 8-58-59,RG 213-214-223 with tape
SLGK008-D02-060	1/2"-5/8"-7/8", 1/2"S-7/8"S with tape
SLGK008-D03-060	1 1/4"-15/8"-21/4" with tape
SLGK007C-060	DC cable grounding kit with tape
SLGK007-P0X-060	DC cable grounding kit without tape
SLGK008A-D01-060	1/4"-3/8",RG 8-58-59,RG 213-214-223 without tape
SLGK008A-D02-060	1/2"-5/8"-7/8", 1/2"S-7/8"S without tape
SLGK008A-D03-060	1 1/4"-15/8"-21/4" without tape

Note: Different length of cable is available



## EARTHING PART

- Cable Lug
- Buss Bar Kit
- Jointing Sleeve
- Wrist Strap
- Grounding Cable Kit

# Earthing Part

## Cable Lug and Cable Sleeve

### General Description

- The cable lug is designed for connect of the power cables to the grounding bar and equipment for lightning protection
- Tinned copper available
- Crimping tool should be used when connection mounting

### Feature and Benefit

- 1 hole or 2 holes style are available
- Isolated or none-isolated style are available
- Faster and easy installation
- Various size designed

### Product Number



Pipe lug pin style, with different length

Part Number	Description
SLLUGT2.5-OO1(XX)	Pipe lug pin style for cable cross section 2.5mm <sup>2</sup>
SLLUGT4-OO1(XX)	Pipe lug pin style for cable cross section 4mm <sup>2</sup>
SLLUGT6-OO1(XX)	Pipe lug pin style for cable cross section 6mm <sup>2</sup>
SLLUGT10-OO1(XX)	Pipe lug pin style for cable cross section 10mm <sup>2</sup>
SLLUGT16-OO1(XX)	Pipe lug pin style for cable cross section 16mm <sup>2</sup>
SLLUGT25-OO1(XX)	Pipe lug pin style for cable cross section 25mm <sup>2</sup>
SLLUGT35-OO1(XX)	Pipe lug pin style for cable cross section 35mm <sup>2</sup>
SLLUGT50-OO1(XX)	Pipe lug pin style for cable cross section 50mm <sup>2</sup>



Pipe lug pin style insulated, with different length

Part Number	Description
SLLUGT2.5-OO2(XX)-XX	Pipe lug pin style with insulation sleeve for cable cross section 2.5mm <sup>2</sup>
SLLUGT4-OO2(XX)-XX	Pipe lug pin style with insulation sleeve for cable cross section 4mm <sup>2</sup>
SLLUGT6-OO2(XX)-XX	Pipe lug pin style with insulation sleeve for cable cross section 6mm <sup>2</sup>
SLLUGT10-OO2(XX)-XX	Pipe lug pin style with insulation sleeve for cable cross section 10mm <sup>2</sup>
SLLUGT16-OO2(XX)-XX	Pipe lug pin style with insulation sleeve for cable cross section 16mm <sup>2</sup>
SLLUGT25-OO2(XX)-XX	Pipe lug pin style with insulation sleeve for cable cross section 25mm <sup>2</sup>
SLLUGT35-OO2(XX)-XX	Pipe lug pin style with insulation sleeve for cable cross section 35mm <sup>2</sup>
SLLUGT50-OO2(XX)-XX	Pipe lug pin style with insulation sleeve for cable cross section 50mm <sup>2</sup>
SLLUGT70-OO2(XX)-XX	Pipe lug pin style with insulation sleeve for cable cross section 70mm <sup>2</sup>





DT Cable Lug

Part Number	Description
SLLUGT4-OS1(M6)	1 hole cable lug for 4mm <sup>2</sup> power cable, M6
SLLUGT6-OS1(M6)	1 hole cable lug for 6mm <sup>2</sup> power cable, M6
SLLUGT10-OS1(M6)	1 hole cable lug for 10mm <sup>2</sup> power cable, M6
SLLUGT16-OS1(M6)	1 hole cable lug for 16mm <sup>2</sup> power cable, M6
SLLUGT25-OS1(M6)	1 hole cable lug for 25mm <sup>2</sup> power cable, M6
SLLUGT35-OS1(M6)	1 hole cable lug for 35mm <sup>2</sup> power cable, M6
SLLUGT50-OS1(M6)	1 hole cable lug for 50mm <sup>2</sup> power cable, M6
SLLUGT70-OS1(M6)	1 hole cable lug for 70mm <sup>2</sup> power cable, M6
SLLUGT4-OS1(M8)	1 hole cable lug for 4mm <sup>2</sup> power cable, M8
SLLUGT6-OS1(M8)	1 hole cable lug for 6mm <sup>2</sup> power cable, M8
SLLUGT10-OS1(M8)	1 hole cable lug for 10mm <sup>2</sup> power cable, M8
SLLUGT16-OS1(M8)	1 hole cable lug for 16mm <sup>2</sup> power cable, M8
SLLUGT25-OS1(M8)	1 hole cable lug for 25mm <sup>2</sup> power cable, M8
SLLUGT35-OS1(M8)	1 hole cable lug for 35mm <sup>2</sup> power cable, M8
SLLUGT50-OS1(M8)	1 hole cable lug for 50mm <sup>2</sup> power cable, M8
SLLUGT70-OS1(M8)	1 hole cable lug for 70mm <sup>2</sup> power cable, M8
SLLUGT6-OS1(M10)	1 hole cable lug for 6mm <sup>2</sup> power cable, M10
SLLUGT10-OS1(M10)	1 hole cable lug for 10mm <sup>2</sup> power cable, M10
SLLUGT16-OS1(M10)	1 hole cable lug for 16mm <sup>2</sup> power cable, M10
SLLUGT25-OS1(M10)	1 hole cable lug for 25mm <sup>2</sup> power cable, M10
SLLUGT35-OS1(M10)	1 hole cable lug for 35mm <sup>2</sup> power cable, M10
SLLUGT50-OS1(M10)	1 hole cable lug for 50mm <sup>2</sup> power cable, M10
SLLUGT70-OS1(M10)	1 hole cable lug for 70mm <sup>2</sup> power cable, M10
SLLUGT10-OS1(M12)	1 hole cable lug for 10mm <sup>2</sup> power cable, M12
SLLUGT16-OS1(M12)	1 hole cable lug for 16mm <sup>2</sup> power cable, M12
SLLUGT25-OS1(M12)	1 hole cable lug for 25mm <sup>2</sup> power cable, M12
SLLUGT35-OS1(M12)	1 hole cable lug for 35mm <sup>2</sup> power cable, M12
SLLUGT50-OS1(M12)	1 hole cable lug for 50mm <sup>2</sup> power cable, M12
SLLUGT70-OS1(M12)	1 hole cable lug for 70mm <sup>2</sup> power cable, M12



Ring Cable Lug None Insulated

Part Number	Description
SLLUGT1.5-OT1(M4)	1 hole cable lug for 1.5mm <sup>2</sup> power cable, M4
SLLUGT2.5-OT1(M4)	1 hole cable lug for 2.5mm <sup>2</sup> power cable, M4
SLLUGT4-OT1(M4)	1 hole cable lug for 4mm <sup>2</sup> power cable, M4
SLLUGT6-OT1(M4)	1 hole cable lug for 6mm <sup>2</sup> power cable, M4
SLLUGT10-OT1(M4)	1 hole cable lug for 10mm <sup>2</sup> power cable, M4
SLLUGT2.5-OT1(M5)	1 hole cable lug for 2.5mm <sup>2</sup> power cable, M5
SLLUGT4-OT1(M5)	1 hole cable lug for 4mm <sup>2</sup> power cable, M5
SLLUGT6-OT1(M5)	1 hole cable lug for 6mm <sup>2</sup> power cable, M5
SLLUGT10-OT1(M5)	1 hole cable lug for 10mm <sup>2</sup> power cable, M5
SLLUGT16-OT1(M5)	1 hole cable lug for 16mm <sup>2</sup> power cable, M5
SLLUGT2.5-OT1(M6)	1 hole cable lug for 2.5mm <sup>2</sup> power cable, M6
SLLUGT4-OT1(M6)	1 hole cable lug for 4mm <sup>2</sup> power cable, M6
SLLUGT6-OT1(M6)	1 hole cable lug for 6mm <sup>2</sup> power cable, M6
SLLUGT10-OT1(M6)	1 hole cable lug for 10mm <sup>2</sup> power cable, M6
SLLUGT16-OT1(M6)	1 hole cable lug for 16mm <sup>2</sup> power cable, M6
SLLUGT25-OT1(M6)	1 hole cable lug for 25mm <sup>2</sup> power cable, M6
SLLUGT35-OT1(M6)	1 hole cable lug for 35mm <sup>2</sup> power cable, M6
SLLUGT50-OT1(M6)	1 hole cable lug for 50mm <sup>2</sup> power cable, M6
SLLUGT70-OT1(M6)	1 hole cable lug for 70mm <sup>2</sup> power cable, M6
SLLUGT4-OT1(M8)	1 hole cable lug for 4mm <sup>2</sup> power cable, M8
SLLUGT6-OT1(M8)	1 hole cable lug for 6mm <sup>2</sup> power cable, M8
SLLUGT10-OT1(M8)	1 hole cable lug for 10mm <sup>2</sup> power cable, M8
SLLUGT16-OT1(M8)	1 hole cable lug for 16mm <sup>2</sup> power cable, M8
SLLUGT25-OT1(M8)	1 hole cable lug for 25mm <sup>2</sup> power cable, M8
SLLUGT35-OT1(M8)	1 hole cable lug for 35mm <sup>2</sup> power cable, M8
SLLUGT50-OT1(M8)	1 hole cable lug for 50mm <sup>2</sup> power cable, M8
SLLUGT70-OT1(M8)	1 hole cable lug for 70mm <sup>2</sup> power cable, M8
SLLUGT6-OT1(M10)	1 hole cable lug for 6mm <sup>2</sup> power cable, M10
SLLUGT10-OT1(M10)	1 hole cable lug for 10mm <sup>2</sup> power cable, M10
SLLUGT16-OT1(M10)	1 hole cable lug for 16mm <sup>2</sup> power cable, M10
SLLUGT25-OT1(M10)	1 hole cable lug for 25mm <sup>2</sup> power cable, M10
SLLUGT35-OT1(M10)	1 hole cable lug for 35mm <sup>2</sup> power cable, M10
SLLUGT50-OT1(M10)	1 hole cable lug for 50mm <sup>2</sup> power cable, M10
SLLUGT70-OT1(M10)	1 hole cable lug for 70mm <sup>2</sup> power cable, M10
SLLUGT10-OT1(M12)	1 hole cable lug for 10mm <sup>2</sup> power cable, M12
SLLUGT16-OT1(M12)	1 hole cable lug for 16mm <sup>2</sup> power cable, M12
SLLUGT25-OT1(M12)	1 hole cable lug for 25mm <sup>2</sup> power cable, M12
SLLUGT35-OT1(M12)	1 hole cable lug for 35mm <sup>2</sup> power cable, M12
SLLUGT50-OT1(M12)	1 hole cable lug for 50mm <sup>2</sup> power cable, M12
SLLUGT70-OT1(M12)	1 hole cable lug for 70mm <sup>2</sup> power cable, M12



Ring cable lug insulated with different color

Part Number	Description
SLLUGT2.5-OT1(M4)-XX	1 hole cable lug for 2.5mm <sup>2</sup> power cable, M4
SLLUGT4-OT1(M4)-XX	1 hole cable lug for 4mm <sup>2</sup> power cable, M4
SLLUGT6-OT1(M4)-XX	1 hole cable lug for 6mm <sup>2</sup> power cable, M4
SLLUGT10-OT1(M4)-XX	1 hole cable lug for 10mm <sup>2</sup> power cable, M4
SLLUGT2.5-OT1(M5)-XX	1 hole cable lug for 2.5mm <sup>2</sup> power cable, M5
SLLUGT4-OT1(M5)-XX	1 hole cable lug for 4mm <sup>2</sup> power cable, M5
SLLUGT6-OT1(M5)-XX	1 hole cable lug for 6mm <sup>2</sup> power cable, M5
SLLUGT10-OT1(M5)-XX	1 hole cable lug for 10mm <sup>2</sup> power cable, M5
SLLUGT16-OT1(M5)-XX	1 hole cable lug for 16mm <sup>2</sup> power cable, M5
SLLUGT2.5-OT1(M6)-XX	1 hole cable lug for 2.5mm <sup>2</sup> power cable, M6
SLLUGT4-OT1(M6)-XX	1 hole cable lug for 4mm <sup>2</sup> power cable, M6
SLLUGT6-OT1(M6)-XX	1 hole cable lug for 6mm <sup>2</sup> power cable, M6
SLLUGT10-OT1(M6)-XX	1 hole cable lug for 10mm <sup>2</sup> power cable, M6
SLLUGT16-OT1(M6)-XX	1 hole cable lug for 16mm <sup>2</sup> power cable, M6
SLLUGT4-OT1(M8)-XX	1 hole cable lug for 4mm <sup>2</sup> power cable, M8
SLLUGT6-OT1(M8)-XX	1 hole cable lug for 6mm <sup>2</sup> power cable, M8
SLLUGT10-OT1(M8)-XX	1 hole cable lug for 10mm <sup>2</sup> power cable, M8
SLLUGT16-OT1(M8)-XX	1 hole cable lug for 16mm <sup>2</sup> power cable, M8
SLLUGT4-OT1(M10)-XX	1 hole cable lug for 4mm <sup>2</sup> power cable, M10
SLLUGT6-OT1(M10)-XX	1 hole cable lug for 6mm <sup>2</sup> power cable, M10
SLLUGT10-OT1(M10)-XX	1 hole cable lug for 10mm <sup>2</sup> power cable, M10
SLLUGT16-OT1(M10)-XX	1 hole cable lug for 16mm <sup>2</sup> power cable, M10



Two holes cable lug

Part Number	Description
SLLUGT16-OS2(M6)	Two holes cable lug for 16mm <sup>2</sup> power cable, M6
SLLUGT25-OS2(M8)	Two holes cable lug for 25mm <sup>2</sup> power cable, M8
SLLUGT35-OS2(M10)	Two holes cable lug for 35mm <sup>2</sup> power cable, M10
SLLUGT35-OS2(M12)	Two holes cable lug for 35mm <sup>2</sup> power cable, M12
SLLUGT50-OS2(M10)	Two holes cable lug for 50mm <sup>2</sup> power cable, M10
SLLUGT50-OS2(M12)	Two holes cable lug for 50mm <sup>2</sup> power cable, M12
SLLUGT70-OS2(M10)	Two holes cable lug for 70mm <sup>2</sup> power cable, M10
SLLUGT70-OS2(M12)	Two holes cable lug for 70mm <sup>2</sup> power cable, M12
SLLUGT100-OS2(M12)	Two holes cable lug for 100mm <sup>2</sup> power cable, M12
SLLUGT125-OS2(M12)	Two holes cable lug for 125mm <sup>2</sup> power cable, M12
SLLUGT150-OS2(M12)	Two holes cable lug for 150mm <sup>2</sup> power cable, M12
SLLUGT180-OS2(M12)	Two holes cable lug for 180mm <sup>2</sup> power cable, M12
SLLUGT200-OS2(M12)	Two holes cable lug for 200mm <sup>2</sup> power cable, M12
SLLUGT250-OS2(M12)	Two holes cable lug for 250mm <sup>2</sup> power cable, M12

## Buss Bar Kit



### General Description

- The buss bar is designed to provide centralized grounding lug connections for multiple transmission lines and provide reliable lightning protection
- Copper or tinned versions available
- With or without mounting hardware

### Feature and Benefit

- Faster and easy installation
- Various size designed
- UV and corrosion resistant

### Product Number

Part Number	Description
RLGB-350x40x4-XX-MXX	350x40x4, bare copper
RLGB-350x50x5-XX-MXX	350x50x5, bare copper
RLGB-500x80x8-XX-MXX	500x80x8, bare copper
RLGB-305x100x10-XX-MXX	305x100x10, bare copper
RLGB-510x120x10-XX-MXX	510x120x10, bare copper
RLGB-300X75X3-XX-MXX	300X75X3, bare copper
RLGBT-350x40x4-XX-MXX	350x40x4, tinned copper
RLGBT-350x50x5-XX-MXX	350x50x5, tinned copper
RLGBT-500x80x8-XX-MXX	500x80x8, tinned copper
RLGBT-305x100x10-XX-MXX	305x100x10, tinned copper
RLGBT-510x120x10-XX-MXX	510x120x10, tinned copper
RLGBT-300X75X3-XX-MXX	300X75X3, tinned copper

Note: Different dimension of the bar is available

## Joining Sleeve (C-TAP)



### General Description

- The joining sleeve is designed for jointing of FK (with few wires), non-isolated copper lines (earth wires) and connection of branch lines. Also be used for R (with many wires), insulated cables and connection for branch cables
- With C-formed non isolated jointing sleeve
- Copper or tinned copper available
- Crimping tool should be used when connection mounting

### Feature and Benefit

- Faster and easy installation
- Various size designed

### Product Number

Part Number	Description
RLJS01-C89	Jointing sleeve for 16~50mm 2 power cable, tinned
RLJS02-C96	Jointing sleeve C-connector C9-6 (50-35/25-16)
RLJS02-C6	Jointing sleeve C-connector C6 (25-16/25-16)
RLJS02-C9	Jointing sleeve C-connector C9 (50-35/50-35)

## Wrist Strap



### General Description

- The wrist strap is designed to provide centralized grounding lug connection between wrist and equipment to provide reliable ESD protection
- Without mounting hardware

### Feature and Benefit

- Faster and easy installation
- Various size designed
- Crocodile clips design

### Product Number

Part Number	Description
RLWS01-180	Wrist straplength 180cm
RLWS02-200	Wrist straplength 200cm

Note: Different length of the wireis available

## Grounding Cable Kit



### General Description

- The grounding cable kit is designed to provide centralized grounding lug connections for equipment and provide reliable lightning protection

### Feature and Benefit

- Faster and easy installation
- Various size designed

### Product Number

Part Number	Description
RLGK008-0101-010-100	Grounding cable 6mm <sup>2</sup> , with both end M6 lug and bolt set, length 100cm
RLGK008-0101-020-100	Grounding cable 6mm <sup>2</sup> , with both end M8 lug and bolt set, length 100cm
RLGK008-0101-030-100	Grounding cable 6mm <sup>2</sup> , with both end M10 lug and bolt set, length 100cm
RLGK008-0201-010-100	Grounding cable 10mm <sup>2</sup> , with both end M6 lug and bolt set, length 100cm
RLGK008-0201-020-100	Grounding cable 10mm <sup>2</sup> , with both end M8 lug and bolt set, length 100cm
RLGK008-0201-030-100	Grounding cable 10mm <sup>2</sup> , with both end M10 lug and bolt set, length 100cm
RLGK008-0301-010-100	Grounding cable 16mm <sup>2</sup> , with both end M6 lug and bolt set, length 100cm
RLGK008-0301-020-100	Grounding cable 16mm <sup>2</sup> , with both end M8 lug and bolt set, length 100cm
RLGK008-0301-030-100	Grounding cable 16mm <sup>2</sup> , with both end M10 lug and bolt set, length 100cm
RLGK008-0401-010-100	Grounding cable 25mm <sup>2</sup> , with both end M6 lug and bolt set, length 100cm
RLGK008-0401-020-100	Grounding cable 25mm <sup>2</sup> , with both end M8 lug and bolt set, length 100cm
RLGK008-0401-030-100	Grounding cable 25mm <sup>2</sup> , with both end M10 lug and bolt set, length 100cm

Note: Different length of the cable is available





## **MECHANICAL PART**

**Metal Part and Mounting Kit**  
**Rack and Cabinet**  
**Antenna and RRU Support**  
**Distribution Box**  
**LSA Module and Distribution Unit**  
**Cable Ladder Kit**  
**Pole Line Installation Accessory**

## Metal Part and Mounting Kit



### General Description

- The metal parts is designed to fix and mounting device at telecom site
- R&D can redesign according to customer requirements

### Feature and Benefit

- Raw material: cold steel, SUS304
- Surface treatment: painting, HDG

### Product Number

Part Number	Description
SLMK-GPS-1	Mounting set GPS
SLMK-DCBOX-1	Bracket, pipe mounting

Note: Special requirement is available

## Rack and Cabinet



### General Description

- The rack and cabinet are designed to fix and mounting device at telecom site
- R&D can redesign according to customer requirements

### Feature and Benefit

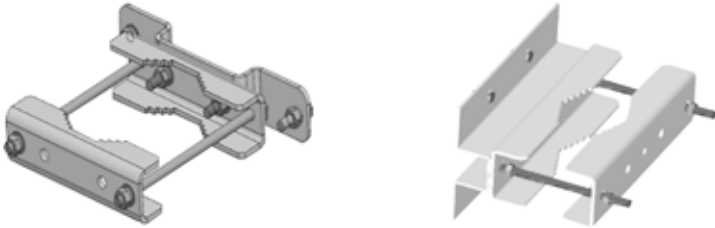
- Raw material: cold steel, SUS304
- Surface treatment: painting, HDG

### Product Number

Part Number	Description
RLNCNT01-600X2000X1000	19" network cabinet 600x2000x1000mm
RLBCNT01-2000X800X900-ST	Basic cabinet 42U 2000x800x900
RLBCNT01-2000X800X1000-ST	Basic cabinet 42U 2000x800x1000
RLBCNT01-2000X800X1100-ST	Basic cabinet 42U 2000x800x1100
RLBCNT01-2000X800X1200-ST	Basic cabinet 42U 2000x800x1200
RLBCNT01-2000X750X1200-ST	Basic cabinet 42U 2000x750x1200
RLBCNT01-2200X800X900-ST	Basic cabinet 47U 2200x800x900
RLBCNT01-2200X800X1000-ST	Basic cabinet 47U 2200x800x1000
RLBCNT01-2200X800X1100-ST	Basic cabinet 47U 2200x800x1100
RLBCNT01-2200X800X1200-ST	Basic cabinet 47U 2200x800x1200
RLBCNT01-2200X750X1200-ST	Basic cabinet 47U 2200x750x1200

Note: Special requirement is available

# Antenna and RRU Support



## General Description

- The RRU bracket is designed to fix and mounting RRU at telecom site
- Mounted on tower and pole or on the wall
- R&D can redesign according to customer requirements

## Feature and Benefit

- Faster and easy installation
- Raw material: Steel+HDG/SUS304
- UV and corrosion resistant

## Product Number

Part Number	Description
RA-00-0016	Antenna bracket
RA-00-0017	Antenna bracket
S-wave 55-10-22D-bracket	Bracket for antenna S-wave 55-10-22D

Note: Special requirement is available

# Distribution Box



## General Description

- This distribution box is used for converting cables with different diameters on the top of the mast or at the base station
- Mounted with integrated screws and pre-mounted brackets on the wall or mast at site
- R&D can redesign according to customer requirements
- Provide various type: power, fiber and hybrid cable connection solution

## Feature and Benefit

- Raw material: plastic/SUS304
- Operation temperature range: -40°C to +75°C
- Waterproof grade: IP66
- Flammability rating: UL94-V0
- UV and corrosion resistant

## Product Number

Part Number	Description
RLFDB01-012	Fiber optic 3 in 3 out (12 fibers) Suitable cable diameter: 6.3mm 1:1 wire to wire jumper
RLFDB01-024	Fiber optic 6 in 6 out (24 fibers) Suitable cable diameter: 6.3mm 1:1 wire to wire jumper
RLPDB01-003	Power box, support to 3DC in & out, suit for 3RRU Cable number: 6pc (entry 3, out 3) Conductor size: entry 6~16mm <sup>2</sup> , exit 4~6mm <sup>2</sup> , 2 core 1:1 wire to wire jumper None circuit breaker
RLPDB01-003CB	Power box, support to 3DC in & out, suit for 3RRU Cable number: 6pc (entry 3, out 3) Conductor size: entry 6~16mm <sup>2</sup> , exit 4~6SQmm <sup>2</sup> , 2 core 1:1 wire to wire jumper With circuit breaker (18~20A)
RLPDB01-006	Power box, support to 3DC in & out, suit for 6RRU Cable number: 12pc (entry 6, out 6) Conductor size: entry 6~16mm <sup>2</sup> , exit 4~6mm <sup>2</sup> , 2 core 1:1 wire to wire jumper Non circuit breaker
RLPDB01-006CB	Power box, support to 6DC in & out, suit for 6RRU Cable number: 12pc (entry 6, out 6) Conductor size: entry 6~16mm <sup>2</sup> , exit 4~6mm <sup>2</sup> , 2 core 1:1 wire to wire jumper With circuit breaker (18~20A)
RLHDB01-003	Power & optic hybrid box, support to 12coresoptic and 6 power cables or supplier recommend No need to circuit breaker (18~20A)

# LSA Module and Distribution Unit

## LSA Module



### General Description

- Rosenberger LSA module is specially designed for wall mounted box and MDF rack. It has connection and disconnection models, and is convenient to be used for PCM cable connection. It is suitable for use in all communication networks such as DSL and IP network.

### Feature and Benefit

- 5, 8, 10 pairs disconnection and connection module available
- Folded double-layer and double-slot terminal with silver-plated surface
- Lower contact resistance and high pull off force
- Aligning slot for each pair of wiring
- Plastic shield over the terminals prevents from getting hurt
- Clear identification mark for each pair of wiring

### Product Number

Part Number	Description
Module-LSA-10	LSA module 10 pairs

Note: Special requirement is available

## LSA Distribution Box DDF Box



### General Description

- The LSA distribution box is designed for both indoor and outdoor application, and can be mounted on the wall. There is a mounting frame for fixing 2/10 or 2/8 LSA connection module or compatible disconnection module inside the box.

### Feature and Benefit

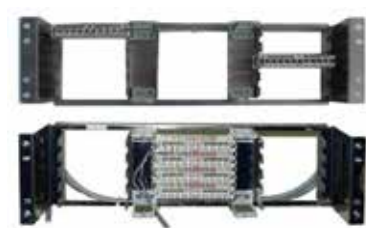
- Supplied with or without LSA modules
- Support up to 20pcs of LSA module or other capacity
- Lockable design
- Over-voltage protection (OVP) device option
- Customized design available on request

## Product Number

Part Number	Description
RAN DDF-120Ω-2PCM	DDF FOR 120 Ohm
RLDDF-120-01	DDF FOR 120 Ohm

Note: Special requirement is available

## LSA Distribution Frame



### General Description

- Rosenberger LSA distribution frame is very convenient to be used for connecting and distributing PCM cables, which is designed in a shape of ESTI 3HU for installing on a standard 19" open frame or rack. The distribution frame can be installed with up to 15pcs of LSA terminal module providing 150-pair wiring and transmission capacity.

### Feature and Benefit

- Termination block with 120Ω characteristic impedance
- Installed on standard 19" open frame for better cable management
- 3HU frame is suitable for small size exchange office
- Clear and tidy cabling
- 50 pairs, 100 pairs, 150 pairs capacity available
- Installation accessory attached

## Product Number

Part Number	Description
RL FRAME-LSA-01	LSA module frame

Note: Special requirement is available

# Cable Ladder Kit



## General Description

- The cable run is designed to fix and mounting cables at telecom site
- Mounted in ceiling or on wall
- R&D can redesign according to customer requirements

## Feature and Benefit

- Raw material: cold steel, SUS304
- Surface treatment: painting, HDG
- Used in indoor and outdoor
- The ladder can carry a uniformly distributed load of 250kg on each 2m
- Meccano functions make great flexibility

## Product Number

Part Number	Description
RLCLKT01-600X6000MM	Cable ladder kit 600x6000
SLICL-A-400-4.5M	Indoor cable ladder kit 400x4.5M,Light type
SLICL-B-400-4.5M	Indoor cable ladder kit 400x4.5M,Steel type



# Pole Line Installation Accessory






## General Description













- product scope involves power, communications, railway and other fields, professional production and business: ADSS, OPGW, OPPC cable, pre-stranded cable fittings, pre-stranded power fittings, rubber and plastic products and other products.



## Feature and Benefit

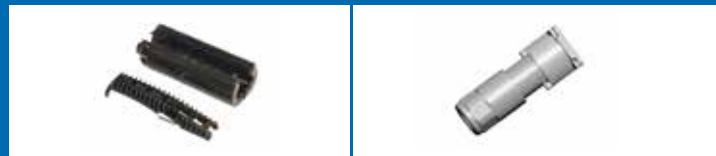
- The products have the characteristics of high strength, light weight, energy saving,
- easy installation, strong versatility, good electrical performance, strong corrosion resistance, etc.,
- with other optical cable fittings, power fittings incomparable unique advantages.

## Product Number

Material Name	Part Number	Description	Pictures
Pole clamp	RLPC-2A-12/14	2A Concrete pole clamp 12/14	
	RLPC-2A-5/7	2A Concrete pole clamp 5/7	
	RLPC-2A-7/9	2A Concrete pole clamp 7/9	
	RLPC-2A-8/10	2A Concrete pole clamp 8/10	
	RLPC-2A-9/11	2A Concrete pole clamp 9/11	
	RLPC-CA-12/14	CA Concrete pole clamp 12/14	
	RLPC-CA-5/7	CA Concrete pole clamp 5/7	
	RLPC-CA-7/9	CA Concrete pole clamp 7/9	
	RLPC-CA-8/10	CA Concrete pole clamp 8/10	
	RLPC-CA-9/11	CA Concrete pole clamp 9/11	
	RLPC-DEG-12/14	DEG Concrete pole clamp 12/14	
	RLPC-DEG-5/7	DEG Concrete pole clamp 5/7	
	RLPC-DEG-7/9	DEG Concrete pole clamp 7/9	
	RLPC-DEG-8/10	DEG Concrete pole clamp 8/10	
	RLPC-DEG-9/11	DEG Concrete pole clamp 9/11	
	RLPC-GCA-12/14	GCA Concrete pole clamp 12/14	
	RLPC-GCA-5/7	GCA Concrete pole clamp 5/7	
	RLPC-GCA-7/9	GCA Concrete pole clamp 7/9	
	RLPC-GCA-8/10	GCA Concrete pole clamp 8/10	
	RLPC-GCA-9/11	GCA Concrete pole clamp 9/11	
RLPC-RL-12/14	RL Concrete pole clamp 12/14		
RLPC-RL-5/7	RL Concrete pole clamp 5/7		
RLPC-RL-7/9	RL Concrete pole clamp 7/9		
RLPC-RL-8/10	RL Concrete pole clamp 8/10		
RLPC-RL-9/11	RL Concrete pole clamp 9/11		

Material Name	Part Number	Description	Pictures
Guy grip fig	RLGRIP01--5/16	Guy grip fig 8 5/16"	
	RLGRIP01--1/7	Guy grip fig 8 1/7"	
	RLGRIP01--3/16	Guy grip fig 8 3/16"	
Cable Suspension Clamp Curve/Straight	RLSCC-SUSPENSION-01	Cable Suspension Clamp Straight	
	RLCCC-SUSPENSION-01	Cable Suspension Clamp Curve	
Thimbleye Nuts	RLThimble -16	Guy Thimble 5/8"	
Cable Extension Arm	RLMK-ARM-E002-48"	Cable Extension Arm 48"	
	RLMK-ARM-E002-26"	Cable Extension Arm 26"	
	RLMK-ARM-E002-44½"	Cable Extension Arm 44½"	
Sidewalk Fixture	RLMK-SWFIXTURE-26"	Sidewalk Fixture 26"	
	RLMK-SWFIXTURE-44½"	Sidewalk Fixture 44 1/2"	
Stainless Steel Lashing Wire	RLLWIRE-GI-1/2	Stainless Steel Lashing Wire, 1.2mm.φ	
Messenger wire	RLMWIRE-GI-5/16	Messenger wire 5/16" (2.64mm), support aerial cables and pole guying for aerial installation of FOC	
Ground rod	RLGR01-16X1500	Ground rod 5/8 x 5	
Anchor Rod	RLRod set-16x1830	Anchor Rod 5/8" x 6ft.	
Stainless steel strap	RL Strap01-012	Stainless steel strap 1/2"	
Stainless Buckle	RL Buckle01-012	Stainless Buckle 1/2"	

Material Name	Part Number	Description	Pictures
Strain Insulator	INSULATOR -504	Porcelain strain insulator No.504	
Square Flat Washer	FW2"X2"-CS	Square Flat Washer 2 x 2 ( 50mm. x 50mm.)	
	FW3"X3"-CS	Square Flat Washer 3 x 3 (75mm. X 75mm.)	



## **WEATHERPROOFING KIT**

**Mastic Rubber and PVC Tape**  
**Seal Box**  
**Cold Shrink Tube**  
**Rubber Boot**  
**Fiber Weatherproofing Enclosure**  
**Heat Shrink Tube**  
**Tube with Gland Kit**  
**Power Cable Joint**

# Mastic Rubber and PVC Tape

## General Description

Rubber tape using for water proofing, together with the PVC vinyl tape for outer side sealing of the connections, provide a effective protection from water as well as UV resistance

## Mastic Rubber Tape

### Feature and Benefit

- Good compatibility to copper, aluminum and different cables
- Good self-fusing performance
- Large range of the working temperature
- Excellent weatherproofing and sealing performance

### Product Number



Part Number	Description
3M 2166(63.5mmx0.6m)	Butyl rubber tape 63.5mmx0.6m
3M 2228(50.8mmx3m)	Rubber tape 50.8mmx3m
3M 23#(19mmx9m)	Splicing tape 19mmx9m
3M 23#(25mmx5m)	Splicing tape 25mmx5m

Part Number	Description
Butyl Tape Black 63.5x0.6m	Butyl tape 63.5mmx0.6m
Rubber Tape Black 50.8x3m	Rubber tape 50.8mmx3m
Self-fusing tape 19mmx9m	Splicing tape 19mmx9m
Self-fusing tape 25mmx5m	Splicing tape 25mmx5m

Note: Special requirement is available

## PVC Tape

•The PVC vinyl tape suitable for different temperature range, good form following, with the resilience material and good adhesive, tense effect provide good mechanical protection and damp proofing performance

### Feature and Benefit

- Good compatibility to different cables
- Large range of the working temperature
- Excellent weather proofing and sealing performance
- All weather vinyl protection and water proofing
- Good performance for UV resistant, wear-resisting, corrosion prevention, acid and alkali resistant
- UL510 compliant, CSA compliant

### Product Number



#### PVC Tape

Part Number	Description
3M 1712(18mmx10m)	Standard PVC tape
3M Super 33+(19mmx20m)	PVC tape for extremely low temperature area

Part Number	Description
PVC Tape Black 19mmx20m	Standard PVC Tape 19mmx20m
PVC Tape Black 50mmx10m	Standard PVC Tape 50mmx10m

Note: Special requirement is available

# Waterproofing Box

## General Description

The waterproofing box is used on the feeder connector or fiber connector sealing protection. Good performance in operation and weatherproofing.

## Feature and Benefit

- Easy installation
- Good weatherproofing performance
- Less space request in installing
- Long life outdoor using
- None tools needed

## Product Number

## Seal Box



### Coaxial Cable Connection Protection Box

Part Number	Description
SLWK201-C03	Waterproof box for DIN(M)-1/2S jumper to equipment panel flange
SLWK201-C03-N	Waterproof box for N(M)-1/2S jumper to equipment panel flange
SLWK201-C03-P	Waterproof box for 4.3/10(M)-1/2S jumper to equipment panel flange
SLWK202-C03-C05	Waterproof box for 1/2" jumper to 7/8" feeder connector
SLWK203-C05	Grounding, 7/8" feeder

## Fiber Weatherproofing Enclosure- RFE2.0



### Coaxial Cable Connection Protection Box Pre-installed

Part Number	Description
98Z111-S00-01	Fiber dimension 3mm~5mm
98Z111-S00-03	Fiber dimension 4.5mm~7mm
98Z111-S00-02	Fiber dimension 7mm~9mm
98Z111-S00-04	The RFE without rubber seal

# Cold Shrink Tube

## General Description

- The cold shrink tube is used on the feeder connector or power cable connector sealing protection. Good performance in operation and weather proofing.

## Feature and Benefit

- Reliable seal against water
- Tough, resilient rubber holds press seal even after exposure
- Broad application range and lower inventory costs
- Eliminates need for heat source or special tools
- Reduce installation time
- Easy remove for inspections or disconnects
- Resistant to fungus, ozone, alkalis and acids
- Constant radial pressure helps connectors stay together in wind and vibration

## Product Number



### General Cold Shrink Tube

Part Number	Description
RLCST-30/10-130-BK	Cold shrink tube for N, 4.3/10 type connector-1/2" jumper sealing
RLCST-40/10-130-BK	Cold shrink tube for N, 4.3/10, DIN type connector-1/2" jumper sealing
RLCST-40/10-180-BK	Cold Shrink tube for 1/2" jumper to 7/8" feeder connection sealing
RLCST-25/06-115-BK	Cold Shrink tube for AISG control cable connection sealing



### Special Cold Shrink Tube with Mastic

Part Number	Description
RLCST2-40/10-130-GY	Cold shrink tube for N, 4.3/10, DIN connector-1/2" feeder, mastic in both side
RLCSTX-40/10-115-BK	Cold shrink tube for N, 4.3/10, DIN connector-1/2" feeder, one more rubber tube in the head



# Rubber Boot



## General Description

- The Rubber boot pre-installed on the jumper, used for the feeder connector sealing and protection. Good performance in operation and weather proofing.

## Feature and Benefit

- Reliable seal against water
- Eliminates need for special tools
- Reduce installation time
- Easy remove for inspections or disconnects
- Resistant to fungus, ozone, alkalis and acids

## Product Number

General Cold Shrink Tube	
Part Number	Description
RLWK01D-012	Rubber boot for DIN(M) straight connector, with jumper 1/2S
RLWK01P-012	Rubber boot for 4.3-10(M) straight connector, with jumper 1/2S
RLWK01N-012	Rubber boot for N(M) straight connector, with jumper 1/2S
RLWK01D-012-P	Rubber boot for DIN(M) straight connector, with armoured jumper 1/2S
RLWK01P-012-P	Rubber boot for 4.3-10(M) straight connector, with armoured jumper 1/2S
RLWK01D-012-A	Rubber boot for DIN(M) angled connector, with jumper 1/2S

## Fiber Weatherproofing Enclosure



Fiber Weatherproofing Enclosure	
Part Number	Description
SLWK-501	Fiber dimension 3mm~5mm
SLWK-502	Fiber dimension 4.5mm~7mm
SLWK-503	Fiber dimension 7mm~9mm
SLWK-500-B	Base of SLWK-50X series fiber enclosure

# Heat Shrink Tube



## General Description

•The Heat Shrink Tube is used on the power cable connectors, produce by flame resistant polyolefin, good performance in physical, chemical and electrical properties.

## Feature and Benefit

- Large working temperature
- Good shrink ratio for different place
- Flexible, high flame resistant, stable performance

## Product Number

Part Number	Description
RLHST-4.0x2.0-BK	Heat shrink tube 2:1, diameter before shrink 4.0mm
RLHST-5.0x2.5-BK	Heat shrink tube 2:1, diameter before shrink 5.0mm
RLHST-6.0x3.0-BK	Heat shrink tube 2:1, diameter before shrink 6.0mm
RLHST-8.0x4.0-BK	Heat shrink tube 2:1, diameter before shrink 8.0mm
RLHST-10.0x5.0-BK	Heat shrink tube 2:1, diameter before shrink 10.0mm
RLHST-12.0x6.0-BK	Heat shrink tube 2:1, diameter before shrink 12.0mm
RLHST-14.0x7.0-BK	Heat shrink tube 2:1, diameter before shrink 14.0mm
RLHST-16.0x8.0-BK	Heat shrink tube 2:1, diameter before shrink 16.0mm
RLHST-18.0x9.0-BK	Heat shrink tube 2:1, diameter before shrink 18.0mm
RLHST-20.0x10.0-BK	Heat shrink tube 2:1, diameter before shrink 20.0mm
RLHST-25.0x12.5-BK	Heat shrink tube 2:1, diameter before shrink 25.0mm
RLHST-4.5x1.5-BK	Heat shrink tube 3:1, diameter before shrink 4.5mm
RLHST-6.0x2.0-BK	Heat shrink tube 3:1, diameter before shrink 6.0mm
RLHST-9.0x3.0-BK	Heat shrink tube 3:1, diameter before shrink 9.0mm
RLHST-12.0x4.0-BK	Heat shrink tube 3:1, diameter before shrink 12.0mm
RLHST-15.0x5.0-BK	Heat shrink tube 3:1, diameter before shrink 15.0mm
RLHST-18.0x6.0-BK	Heat shrink tube 3:1, diameter before shrink 18.0mm
RLHST-24.0x8.0-BK	Heat shrink tube 3:1, diameter before shrink 24.0mm
RLHST-30.0x10.0-BK	Heat shrink tube 3:1, diameter before shrink 30.0mm
RLHST-39.0x13.0-BK	Heat shrink tube 3:1, diameter before shrink 39.0mm
RLHST-50.0x16.0-BK	Heat shrink tube 3:1, diameter before shrink 50.0mm
RLHST-4.0x1.0-BK	Heat shrink tube 4:1, diameter before shrink 4.0mm
RLHST-6.0x1.5-BK	Heat shrink tube 4:1, diameter before shrink 6.0mm
RLHST-8.0x2.0-BK	Heat shrink tube 4:1, diameter before shrink 8.0mm
RLHST-10.0x2.5-BK	Heat shrink tube 4:1, diameter before shrink 10.0mm
RLHST-12.0x3.0-BK	Heat shrink tube 4:1, diameter before shrink 12.0mm
RLHST-16.0x4.0-BK	Heat shrink tube 4:1, diameter before shrink 16.0mm

Part Number	Description
RLHST-19.0x4.6-BK	Heat shrink tube 4:1, diameter before shrink 19.0mm
RLHST-25.4x6.5-BK	Heat shrink tube 4:1, diameter before shrink 25.4mm
RLHST-30.0x7.5-BK	Heat shrink tube 4:1, diameter before shrink 30.0mm
RLHST-38.0x9.5-BK	Heat shrink tube 4:1, diameter before shrink 38.0mm
RLHST-51.0x13.0-BK	Heat shrink tube 4:1, diameter before shrink 51.0mm
RLHSTA-3.2x1.6-BK	Adhesive lined heat shrink tube 2:1, diameter before shrink 3.2mm
RLHSTA-4.8x2.4-BK	Adhesive lined heat shrink tube 2:1, diameter before shrink 4.8mm
RLHSTA-6.4x3.2-BK	Adhesive lined heat shrink tube 2:1, diameter before shrink 6.4mm
RLHSTA-7.9x3.9-BK	Adhesive lined heat shrink tube 2:1, diameter before shrink 7.9mm
RLHSTA-9.5x4.8-BK	Adhesive lined heat shrink tube 2:1, diameter before shrink 9.5mm
RLHSTA-12.7x6.4-BK	Adhesive lined heat shrink tube 2:1, diameter before shrink 12.7mm
RLHSTA-15.9x7.9-BK	Adhesive lined heat shrink tube 2:1, diameter before shrink 15.9mm
RLHSTA-19.1x9.5-BK	Adhesive lined heat shrink tube 2:1, diameter before shrink 19.1mm
RLHSTA-25.4x12.7-BK	Adhesive lined heat shrink tube 2:1, diameter before shrink 25.4mm
RLHSTA-31.8x15.0-BK	Adhesive lined heat shrink tube 2:1, diameter before shrink 31.8mm
RLHSTA-4.8x1.6-BK	Adhesive lined heat shrink tube 3:1, diameter before shrink 4.8mm
RLHSTA-6.4x2.2-BK	Adhesive lined heat shrink tube 3:1, diameter before shrink 6.4mm
RLHSTA-7.9x2.7-BK	Adhesive lined heat shrink tube 3:1, diameter before shrink 7.9mm
RLHSTA-9.5x3.2-BK	Adhesive lined heat shrink tube 3:1, diameter before shrink 9.5mm
RLHSTA-12.7x4.2-BK	Adhesive lined heat shrink tube 3:1, diameter before shrink 12.7mm
RLHSTA-15.0x5.2-BK	Adhesive lined heat shrink tube 3:1, diameter before shrink 15.0mm
RLHSTA-19.1x6.3-BK	Adhesive lined heat shrink tube 3:1, diameter before shrink 19.1mm
RLHSTA-25.4x8.5-BK	Adhesive lined heat shrink tube 3:1, diameter before shrink 25.4mm
RLHSTA-30.0x10.2-BK	Adhesive lined heat shrink tube 3:1, diameter before shrink 30.0mm
RLHSTA-39.0x13.5-BK	Adhesive lined heat shrink tube 3:1, diameter before shrink 39.0mm
RLHSTA-50.0x17.0-BK	Adhesive lined heat shrink tube 3:1, diameter before shrink 50.0mm
RLHSTA-4.0x1.0-BK	Adhesive lined heat shrink tube 4:1, diameter before shrink 4.0mm
RLHSTA-6.0x1.5-BK	Adhesive lined heat shrink tube 4:1, diameter before shrink 6.0mm
RLHSTA-8.0x2.0-BK	Adhesive lined heat shrink tube 4:1, diameter before shrink 8.0mm
RLHSTA-12.0x3.0-BK	Adhesive lined heat shrink tube 4:1, diameter before shrink 12.0mm
RLHSTA-16.0x4.0-BK	Adhesive lined heat shrink tube 4:1, diameter before shrink 16.0mm
RLHSTA-20.0x5.0-BK	Adhesive lined heat shrink tube 4:1, diameter before shrink 20.0mm
RLHSTA-24.0x6.0-BK	Adhesive lined heat shrink tube 4:1, diameter before shrink 24.0mm
RLHSTA-32.0x8.0-BK	Adhesive lined heat shrink tube 4:1, diameter before shrink 32.0mm
RLHSTA-52.0x13.0-BK	Adhesive lined heat shrink tube 4:1, diameter before shrink 52.0mm

# Tube with Gland Kit



## General Description

- The tube set with gland is design for cable connector sealing protection. It is used on the power cable connectors, fiber cable connectors, even the feeder cable connectors where at least 10cm at both side of the connection
- Provide good performance in physical, chemical properties

## Feature and Benefit

- Large working temperature
- Good sealing performance
- Flexible, stable performance
- Special dimension is available

## Product Number

Part Number	Description
RLGTS00-16/07-020	Tube set with gland, material PVC, suitable connector 16mm and cable 7mm, length 20cm
RLGTS01-20/08-020	Tube set with gland, material PP, suitable connector 20mm and cable 8mm, length 20cm
RLGTS02-24/14-020	Tube set with gland, material nylon, suitable connector 24mm and cable 14mm, length 20cm

# Accessories

## Gland



### General Description

- Gland in the communication system is used for waterproofing in distribution box and tube set

### Feature and Benefit

- Various models for different cables
- Easy operation without tools
- Recycled and reusing for different area
- Stable sealing performance

### Product Number

Part Number	Description
RLGL-M12A-05BK	Gland for cable diameter 3~5mm
RLGL-M16A-06BK	Gland for cable diameter 4~7mm
RLGL-M20A-14BK	Gland for cable diameter 7~14mm
RLGL-M25A-18BK	Gland for cable diameter 13 ~18mm
RLGL-M32A-22BK	Gland for cable diameter 17~22mm
RLGL-M40A-30BK	Gland for cable diameter 21~30mm
RLGL-M50A-39BK	Gland for cable diameter 30~41mm
RLGL-M83A-46BK	Gland for cable diameter 40~46mm
RLGL-M83A-49BK	Gland for cable diameter 44~51mm
RLGL-M75A-56BK	Gland for cable diameter 50~56mm
RLGL-M75A-66BK	Gland for cable diameter 56~66mm
RLGL-M90A-68BK	Gland for cable diameter 58~68mm
RLGL-M90A-77BK	Gland for cable diameter 70~80mm

# Power cable joint



## General Description

- Power cable joint designed for power cable connect and joint protection, widely be used in power system.

## Feature and Benefit

- High quality Nylon 66 jacket
- Good phosphor copper connection
- Good sealing performance
- Wide oprating temperature ranger

## Product Number

Part Number	Description
RLCJ01-2	Power cable joint for 2core, cable diameter<10.5mm
RLCJ01-3	Power cable joint for 3core, cable diameter<10.5mm
RLCJ02-2	Power cable joint for 2core, cable diameter<13mm
RLCJ02-3	Power cable joint for 3core, cable diameter<13mm
RLCJ02-4	Power cable joint for 4core, cable diameter<13mm
RLCJ03-2	Power cable joint for 2core, cable diameter<15mm
RLCJ03-3	Power cable joint for 3core, cable diameter<15mm
RLCJ03-4	Power cable joint for 4core, cable diameter<15mm



## POWER SUPPLY SYSTEM

DC Power Supply Cabinet

DCPDU

PDU

Breaker

# DC Power Supply Cabinet



## General Description

- The integrated AC/DC outdoor DC power supply system developed by Rosenberger can provide a stable and reliable power supply guarantee for wireless access network sites, wired access network sites,.Realize the conversion of 220V ac input voltage to -48v dc voltage.Widely used in the major operators and industry customer communication site.

## Feature and Benefit

- Easy : multiple installation methods, easy site selection, easy deployment, remote centralized management of network management, easy operation and maintenance
- Efficient: 1 u high power density (42.7 W/inch<sup>3</sup>) rectifier module, the module efficiency of industry leading (up to 98%), high temperature and reliable output (55°C below the output derating)
- Reliability: IP55 high protection, multiple anti-theft design

## Product Number

Part Number	Description
RLDCPS-48200A-01	DC Power supply - 48V 200A



# DCPDU



## General Description

- DC power distribution unit is suitable for low voltage DC power supply system, it connected between the DC power supply lines and the equipment. It can prevent the equipment from the surge and transient over-voltage caused by the outside environment (such as lightning, EMI, switching effects of the system, start up or shut off of the inductance and capacitance load, etc.).

## Feature and Benefit

- Rack mounting on the 1 U(19") cabinet
- High discharge current and low residual voltage
- Operation status indicator
- Shell of flaming retardant material with the protection level of IP20

## Product Number

Part Number	Description
RLDCPDU-1U8W25-B	DCDU - 48V 8WAY 25A 1U with Breaker
RLDCPDU-01	DCPDU with CIRCUIT BREAKER
RLDCPDU-02	DCPDU with CIRCUIT BREAKER
RLDCPDU-09	DCPDU - 48V 9WAY

Special requirement is available



## General Description

- Power distribution unit is suitable for power supply system, it connected between the power supply lines and the equipment.

## Feature and Benefit

- Rack mounting on the 1 U(19") cabinet
- Operation status indicator
- Shell of flaming retardant material with the protection level of IP20

## Product Number

Part Number	Description
RLPDU-001	POWER DISTRIBUTION UNIT
RLPDU-002	POWER DISTRIBUTION UNIT
RLPDU-003	POWER DISTRIBUTION UNIT
RLPDU-004	POWER DISTRIBUTION UNIT
RLPDU-005	POWER DISTRIBUTION UNIT
RLPDU-009	POWER DISTRIBUTION UNIT

Special requirement is availabl

# Breaker



## General Description

- The miniature circuit breaker is specialize in the circuit system, which has features as short-circuit protection, overload protection, control, isolation, etc.
- We can provide brand according to customer's requirements such as ABB, NADER, Schnider, CBi and so on.

## Product Number

Part Number	Description
RLCB-1P-C16A-10KA	MCB, 1P, C curve, 16A, Breaking capacity 10KA
RLCB-XP-X-XXA-XXKA	MCB, xP, X-Tripping curve ,XXA, Breaking capacity XXKA

Special requirement is availabl



# OTHER ACCESSORIES

- Fastening Part
- Cable Tie
- Labeling Part
- Tube and Pipe

# Fastening Part



## General Description

- The fastening parts are used for fasten by screw, washer, nut, anchor and plastic tube

## Feature and Benefit

- Different material is available
- Surface treatment: zinc plating, hot dip galvanizing, etc.
- Special dimension is available
- Various dimensions are available according to the requirement

## Product Number

Part Number	Description
M10X90Z-CS-JB/ZQ 4763	Anchor bolt M10*90, Q235, zinc
M10Z-CS-GB/T 6170	Hexagon nut M10, Q235, zinc
SW10Z-CS-GB/T 93	Spring washer M10, Q235, zinc
W12Z-CS-GB/T 95	Plain washer M12, Q235, zinc
W12R-SS-GB/T 97.1	Plain washer M12, SS304
M8X25R-SS-GB/T 5783	Hexagon cap bolt M8x25mm, SS304

# Cable Tie

## General Description

- The self locking cable tie is made of nylon, stainless steel to fastening cables
- Nylon cable tie fasten for light product, such as cables, labels
- Metal and plastic cable tie fasten for heavy cables
- SS cable tie fasten for heavy product such as distribution box
- Provide various dimensions according to customer requirements

## Feature and Benefit

- Different material is available
- Strong, lightweight and resistant to chemical solvents

## Product Number



Nylon Cable Tie	
Part Number	Description
SLTC-1	Nylon cable tie 460mmx9.5mm
SLTC-2	Nylon cable tie 510mmx9.0mm
SLTC-3	Nylon cable tie 100mmx2.5mm
SLTC-4	Nylon cable tie 200mmx2.5mm
SLTC-5	Nylon cable tie 140mmx3.6mm
SLTC-6	Nylon cable tie 370mmx3.6mm
SLTC-7	Nylon cable tie 370mmx4.8mm
SLTC-8	Nylon cable tie 530mmx9.0mm
SLTC-9	Nylon cable tie 300mmx4.8mm
SLCT-XXXxXXX	Nylon cable tie XXXmmxXXXmm, "XXX" and "XXX" indicate the length and width



Stainless Steel 304 Cable Tie with PE Covered, Default Color Black	
Part Number	Description
SLPMT	Plastic and metal cable tie 450mmx9.5mm
SLPMT-XXXxXXX	Plastic and metal cable tie XXXmmxXXXmm, "XXX" and "XXX" indicate the length and width



#### Stainless Steel 304 Cable Tie

Part Number	Description
SLMCT-1	SS304 cable tie 200x4.6mm
SLMCT-2	SS304 cable tie 200x7.8mm
SLMCT-3	SS304 cable tie 300x4.6mm
SLMCT-4	SS304 cable tie 700x7.8mm
SLMCT-5	SS304 cable tie 360x7.8mm
SLMCT-XXX-XXX	SS304 cable tie XXXmmxXXXmm, "XXX" and "XXX" indicate the length and width



#### Hose Clamp

Part Number	Description
SLHC01-190-200	Hose clamp for the pole which diameter is 190~220mm
SLHC01-230-260	Hose clamp for the pole which diameter is 230~260mm
SLHC01-290-320	Hose clamp for the pole which diameter is 290~320mm
SLHC01-XXX-XXX	Hose clamp for the pole which diameter is XXX~XXXmm



#### Quick Straining Strap

Part Number	Description
RLQHC01-190-200	Quick straining strap hose clamp for the pole which diameter is 190~220mm
RLQHC01-230-260	Quick straining strap hose clamp for the pole which diameter is 230~260mm
RLQHC01-290-320	Quick straining strap hose clamp for the pole which diameter is 290~320mm
RLQHC01-XXX-XXX	Quick straining strap hose clamp for the pole which diameter is XXX~XXXmm

# Labeling Part

## General Description

- Labeling set used in communication system for indicate the different cables or equipments

## Feature and Benefit

- Sticker labels for indoor and board label for outdoor
- Different material and dimensions are available
- Cable tile together with the board label is available

## Product Number



### Labels

Part Number	Description
RL-Labelkit01-xx	Label set for indoor equipment/cables, sticker labels
RL-Labelkit02-xx	Label set for outdoor equipment/cables, plastic labels with nylon tie
RL-Labelkit03-xx	Label set for indoor & outdoor equipment/cables; sticker labels and plastic labels with nylon tie



# Tube and Pipe

## General Description

- The tube is used for protection of cables indoor against exterior mechanical influences
- Plastic pipe is lying on the wall or on the ground where should not be pressed
- Steel pole is using for tower top antenna support

## Feature and Benefit

- Different materials are available
- Additional protection to insect bit and abrade
- Various dimensions are available as per requirements

## Product Number



Flexible Plastic Pipe	
Part Number	Description
RLFPP00-012-XX	Flexible PVC Conduit with dimension 1/2", color as request
RLFPP00-034-XX	Flexible PVC Conduit with dimension 3/4", color as request
RLFPP00-100-XX	Flexible PVC Conduit with dimension 1", color as request
RLFPP00-114-XX	Flexible PVC Conduit with dimension 1 1/4", color as request
RLFPP00-112-XX	Flexible PVC Conduit with dimension 1 1/2", color as request
RLFPP00-134-XX	Flexible PVC Conduit with dimension 1 3/4", color as request
RLFPP00-200-XX	Flexible PVC Conduit with dimension 2", color as request
RLFPP01-012-XX	Flexible PE Conduit with dimension 1/2", color as request
RLFPP01-034-XX	Flexible PE Conduit with dimension 3/4", color as request
RLFPP01-100-XX	Flexible PE Conduit with dimension 1", color as request
RLFPP01-112-XX	Flexible PE Conduit with dimension 1 1/2", color as request
RLFPP01-134-XX	Flexible PE Conduit with dimension 1 3/4", color as request
RLFPP01-200-XX	Flexible PE Conduit with dimension 2", color as request
RLFPP02-012-XX	Flexible PA6 Conduit with dimension 1/2", color as request
RLFPP02-034-XX	Flexible PA6 Conduit with dimension 3/4", color as request
RLFPP02-100-XX	Flexible PA6 Conduit with dimension 1", color as request
RLFPP02-114-XX	Flexible PA6 Conduit with dimension 1 1/4", color as request
RLFPP02-112-XX	Flexible PA6 Conduit with dimension 1 1/2", color as request
RLFPP02-134-XX	Flexible PA6 Conduit with dimension 1 3/4", color as request
RLFPP02-200-XX	Flexible PA6 Conduit with dimension 2", color as request
RLFPP03-10-XX	Flexible PP Conduit with dimension 10mm, color as request
RLFPP03-13-XX	Flexible PP Conduit with dimension 13mm, color as request
RLFPP03-16-XX	Flexible PP Conduit with dimension 16mm, color as request
RLFPP03-18-XX	Flexible PP Conduit with dimension 18mm, color as request
RLFPP03-21-XX	Flexible PP Conduit with dimension 21mm, color as request
RLFPP03-25-XX	Flexible PP Conduit with dimension 25mm, color as request
RLFPP03-28-XX	Flexible PP Conduit with dimension 28mm, color as request
RLFPP03-32-XX	Flexible PP Conduit with dimension 32mm, color as request
RLFPP03-34-XX	Flexible PP Conduit with dimension 34mm, color as request
RLFPP03-42-XX	Flexible PP Conduit with dimension 42mm, color as request
RLFPP03-54-XX	Flexible PP Conduit with dimension 54mm, color as request



Liquid-tight metal flexible conduit and accessories

Part Number	Description
RLFMPP01-012-XX	Liquid-tight metal flexible conduit, dimension 1/2"
RLFMPP01-034-XX	Liquid-tight metal flexible conduit, dimension 3/4"
RLFMPP01-100-XX	Liquid-tight metal flexible conduit, dimension 1"
RLFMPP01-114-XX	Liquid-tight metal flexible conduit, dimension 1 1/4"
RLFMPP01-112-XX	Liquid-tight metal flexible conduit, dimension 1 1/2"
RLFMPP01-200-XX	Liquid-tight metal flexible conduit, dimension 2"
RLFMPP01-212-XX	Liquid-tight metal flexible conduit, dimension 2 1/2"
RLFMPP01-300-XX	Liquid-tight metal flexible conduit, dimension 3"
RLFMPP01-400-XX	Liquid-tight metal flexible conduit, dimension 4"
RLFMPP01-FC-012	Fixing clamp for 1/2" Liquid-tight metal flexible conduit
RLFMPP01-FC-034	Fixing clamp for 3/4" Liquid-tight metal flexible conduit
RLFMPP01-FC-100	Fixing clamp for 1" Liquid-tight metal flexible conduit
RLFMPP01-FC-114	Fixing clamp for 1 1/4" Liquid-tight metal flexible conduit
RLFMPP01-FC-112	Fixing clamp for 1 1/2" Liquid-tight metal flexible conduit
RLFMPP01-FC-200	Fixing clamp for 2" Liquid-tight metal flexible conduit
RLFMPP01-FC-212	Fixing clamp for 2 1/2" Liquid-tight metal flexible conduit
RLFMPP01-FC-300	Fixing clamp for 3" Liquid-tight metal flexible conduit
RLFMPP01-FC-400	Fixing clamp for 4" Liquid-tight metal flexible conduit
RLFMPP01-SC-012	Straight connector for 1/2" Liquid-tight metal flexible conduit
RLFMPP01-SC-034	Straight connector for 3/4" Liquid-tight metal flexible conduit
RLFMPP01-SC-100	Straight connector for 1" Liquid-tight metal flexible conduit
RLFMPP01-SC-114	Straight connector for 1 1/4" Liquid-tight metal flexible conduit
RLFMPP01-SC-112	Straight connector for 1 1/2" Liquid-tight metal flexible conduit
RLFMPP01-SC-200	Straight connector for 2" Liquid-tight metal flexible conduit
RLFMPP01-SC-212	Straight connector for 2 1/2" Liquid-tight metal flexible conduit
RLFMPP01-SC-300	Straight connector for 3" Liquid-tight metal flexible conduit
RLFMPP01-SC-400	Straight connector for 4" Liquid-tight metal flexible conduit
RLFMPP01-AC-012	Angled connector for 1/2" Liquid-tight metal flexible conduit
RLFMPP01-AC-034	Angled connector for 3/4" Liquid-tight metal flexible conduit
RLFMPP01-AC-100	Angled connector for 1" Liquid-tight metal flexible conduit
RLFMPP01-AC-114	Angled connector for 1 1/4" Liquid-tight metal flexible conduit
RLFMPP01-AC-112	Angled connector for 1 1/2" Liquid-tight metal flexible conduit
RLFMPP01-AC-200	Angled connector for 2" Liquid-tight metal flexible conduit
RLFMPP01-AC-212	Angled connector for 2 1/2" Liquid-tight metal flexible conduit
RLFMPP01-AC-300	Angled connector for 3" Liquid-tight metal flexible conduit
RLFMPP01-AC-400	Angled connector for 4" Liquid-tight metal flexible conduit



Liquid-tight metal flexible conduit heavy duty and accessories

Part Number	Description
RLFMPP02-012-XX	Liquid-tight metal flexible conduit, heavy duty dimension 1/2"
RLFMPP02-034-XX	Liquid-tight metal flexible conduit, heavy duty dimension 3/4"
RLFMPP02-100-XX	Liquid-tight metal flexible conduit, heavy duty dimension 1"
RLFMPP02-114-XX	Liquid-tight metal flexible conduit, heavy duty dimension 1 1/4"
RLFMPP02-112-XX	Liquid-tight metal flexible conduit, heavy duty dimension 1 1/2"
RLFMPP02-200-XX	Liquid-tight metal flexible conduit, heavy duty dimension 2"
RLFMPP02-212-XX	Liquid-tight metal flexible conduit, heavy duty dimension 2 1/2"
RLFMPP02-300-XX	Liquid-tight metal flexible conduit, heavy duty dimension 3"
RLFMPP02-400-XX	Liquid-tight metal flexible conduit, heavy duty dimension 4"
RLFMPP02-FC-012	Fixing clamp for 1/2" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-FC-034	Fixing clamp for 3/4" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-FC-100	Fixing clamp for 1" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-FC-114	Fixing clamp for 1 1/4" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-FC-112	Fixing clamp for 1 1/2" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-FC-200	Fixing clamp for 2" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-FC-212	Fixing clamp for 2 1/2" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-FC-300	Fixing clamp for 3" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-FC-400	Fixing clamp for 4" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-SC-012	Straight connector for 1/2" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-SC-034	Straight connector for 3/4" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-SC-100	Straight connector for 1" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-SC-114	Straight connector for 1 1/4" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-SC-112	Straight connector for 1 1/2" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-SC-200	Straight connector for 2" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-SC-212	Straight connector for 2 1/2" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-SC-300	Straight connector for 3" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-SC-400	Straight connector for 4" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-AC-012	Angled connector for 1/2" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-AC-034	Angled connector for 3/4" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-AC-100	Angled connector for 1" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-AC-114	Angled connector for 1 1/4" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-AC-112	Angled connector for 1 1/2" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-AC-200	Angled connector for 2" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-AC-212	Angled connector for 2 1/2" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-AC-300	Angled connector for 3" Liquid-tight metal flexible conduit, heavy duty
RLFMPP02-AC-400	Angled connector for 4" Liquid-tight metal flexible conduit, heavy duty



#### Spiral pipe

Part Number	Description
RLSPP00-04-WH-005	Spiral Pipe PE 4mm, color white and length 5m
RLSPP00-06-WH-005	Spiral Pipe PE 6mm, color white and length 5m
RLSPP00-08-WH-005	Spiral Pipe PE 8mm, color white and length 5m
RLSPP00-10-WH-005	Spiral Pipe PE 10mm, color white and length 5m
RLSPP00-12-WH-005	Spiral Pipe PE 12mm, color white and length 5m
RLSPP00-14-WH-005	Spiral Pipe PE 14mm, color white and length 5m
RLSPP00-16-WH-005	Spiral Pipe PE 16mm, color white and length 5m
RLSPP00-18-WH-005	Spiral Pipe PE 18mm, color white and length 5m
RLSPP00-20-WH-005	Spiral Pipe PE 20mm, color white and length 5m
RLSPP00-22-WH-005	Spiral Pipe PE 22mm, color white and length 5m
RLSPP00-25-WH-005	Spiral Pipe PE 25mm, color white and length 5m
RLSPP00-30-WH-005	Spiral Pipe PE 30mm, color white and length 5m



#### Hard plastic pipe

Part Number	Description
RLHPP00-16-WH-005	PVC conduit 16mm, color white and length 5m
RLHPP00-20-WH-005	PVC conduit 20mm, color white and length 5m
RLHPP00-25-WH-005	PVC conduit 25mm, color white and length 5m
RLHPP00-32-WH-005	PVC conduit 32mm, color white and length 5m
RLHPP00-40-WH-005	PVC conduit 40mm, color white and length 5m
RLHPP00-50-WH-005	PVC conduit 50mm, color white and length 5m
RLCCP-16	Fixing clamp for PVC conduit 16mm
RLCCP-20	Fixing clamp for PVC conduit 20mm
RLCCP-25	Fixing clamp for PVC conduit 25mm
RLCCP-32	Fixing clamp for PVC conduit 32mm
RLCCP-40	Fixing clamp for PVC conduit 40mm
RLCCP-50	Fixing clamp for PVC conduit 50mm
RLRCP-16	Right angled connector for PVC conduit 16mm
RLRCP-20	Right angled connector for PVC conduit 20mm
RLRCP-25	Right angled connector for PVC conduit 25mm
RLRCP-32	Right angled connector for PVC conduit 32mm
RLRCP-40	Right angled connector for PVC conduit 40mm
RLRCP-50	Right angled connector for PVC conduit 50mm

Hard plastic pipe

Part Number	Description
RLSCP-16	Straight connector for PVC conduit 16mm
RLSCP-20	Straight connector for PVC conduit 20mm
RLSCP-25	Straight connector for PVC conduit 25mm
RLSCP-32	Straight connector for PVC conduit 32mm
RLSCP-40	Straight connector for PVC conduit 40mm
RLSCP-50	Straight connector for PVC conduit 50mm



Steel pole

Part Number	Description
RLSP01-114-2000	Steel pole with outer diameter 114 and length 2m, hot dip galvanized
RLSP02-25-2000	Steel pole with outer diameter 25 and length 2m, zinc plating



## **SITE INSTALLATION TOOLS AND MAINTANCE PRODUCTS**

**Installation Tools**

**Maintance and Safety Products**

# Installation Tools

## Hand Tool














### General Description











- Best suited for early generation connectors, contents include basic measuring, cutting and flaring tools for installor at telecom site






### Product Number

Part Number	Description
SLTOOL-1	Universal meter fluke 111 or 112
SLTOOL-2	Antistatic hand strap and cable (Size: EX-611B)
SLTOOL-3	T-10 torx screwdriver
SLTOOL-4	T-20 torx screwdriver
SLTOOL-5	T-25 torx screwdriver
SLTOOL-6	Switch+tool torque driver (T10-T32) (Size: T8~T30)
SLTOOL-7	Insulated screwdriver set, flat-and crosshead (7 Pcs)
SLTOOL-8	AC phase tester
SLTOOL-9	Allen key set (13 pcs) (Size: 1.5~10mm, 9 Pcs)
SLTOOL-10	Cable cutters, 2.5-35mm <sup>2</sup> (Size: ME-60, 2~60mm <sup>2</sup> )
SLTOOL-11	Cable stripper for 0.25 and 0.4mm <sup>2</sup> wire (Size: IE-130 0.25~0.65)
SLTOOL-12	Insulated side cutters (Size: 175mm)
SLTOOL-13	Combination pliers, 115mm (Size: 125mm)
SLTOOL-14	Flatnose pliers, 210mm (Size: 210mm)
SLTOOL-15	Multigrip pliers, 250mm (Size: 16")
SLTOOL-16	Combi ring-ended spanner set (7mm- 32mm)
SLTOOL-17	Socket wrench kit (Size: 1/2", 16 Pcs)
SLTOOL-18	Adjustable Wrench 10" (Size: 10")
SLTOOL-31	Tape measure, 5m & 100m (Size: 5m)
SLTOOL-32	Utility knife & Scissor (Size: 10-099)
SLTOOL-24	Hammer (16OZ)
SLTOOL-25	Crimping tools for RJ45 connector (BT-L2182R)
SLTOOL-29	Crimping grounding cable lug connetcors
SLTOOL-26	Extension power cord
SLTOOL-27	Spirit Level 8" (200mm)
SLTOOL-28	Compass 1 pc selpa selpa dashboard 120 16.25 17.33
Twrench-32	Twrench-32

Material Name	Discription	Pictures
Hammer	STHT51511W 16oz Fiberglass Rip Claw	
Hacksaw	Length 30cm	
Grinding Machine	GWS 060 Rated input power 670 W No-load speed 12.000 rpm Grinding spindle thread M 14 Disc diameter 115 mm Tool dimensions (width) 77 mm Tool dimensions (length) 263 mm	
Drill Machine	GSB 10 RE Professional Keyed chuck 10 mm	
L-Wrench	Kunci L Ball Point Panjang - Hex Key Long Set 9 pcs 1.5 - 10 mm	
Adjustable Wrench	15-Inch Adjustable Wrench	
Ridgid Pipe Wrench	Ridgid Pipe Wrench	
Combination Wrench	Combination Wrench( Spanner )Set 8mm To 22mm	
Torque Wrench	Torque Wrench Profesional 25-135 (N.m) 1/2" (T1200)	
Socket Wrench	Socket Wrench Set Kunci Sok 1/4-3/8 Inch 6pt/ 21 Pcs	
Solder Goot	SOLDER GOOT 25W / GOOT CS-31 /SOLDER TANGAN / SOLDERING IRON	



Material Name	Discription	Pictures
Tenol Solder	Kawat Timah Solder 63/37 100G 0.6mm - B-2 - 1 Core Wire	
Copper Pipe Tube Cutter	Copper pipe tube cutter cutters cutting tool 6-28mm	
Welding Hose	Acetylene Tube Gas Welding Hose Oxygen Hose 3m	
Temperature Gun	Fluke 62 MAX -30 C to 500 C (-22 F to 932 F) real picture spesifikasi : Accuracy Fluke 62 MAX 1.5 C	
Telescopic Ladder	Single Telescopic Ladder Height 4meter	
Grouding Tester	Grouding Tester (Earth Tester)	
Tarpaulin	Tarpaulin (4x5)meter	
Pulley	Pulley capacity 1 ton	
Spanner Wrench	Spanner Wrench 32"	
RJ-45 Crimping Tool	RJ-45 Crimping Tool	

Material Name	Discription	Pictures
Rechargeable Flashlight	Rechargeable Flashlight with Charger, Basic Handheld Flashlights	
Padlock	PADLOCK SMALL 40 mm	
Padlock	PADLOCK BIG 60 mm	
Rope	Diameter 12mm	
Crimping Schoen	Maximum for cable 25mm/ST K8	

# Stripping Tool



## Stripping Tool for Grounding Kit

### General Description

- The grounding kit preparation tool is a manually operated cutting device that quickly trims away a section of cable jacket for the purpose of grounding strap installation
- The tool is ideal for use on cables mounted close to structures and other cable runs, and will not scrape or damage the cable's outer conductor

### Feature and Benefit

- The grounding kit preparation tool takes just seconds to use: simply snap the tool in place around the cable and rotate.
- In one step the tool removes the exact amount of jacketing necessary to attach the grounding strap

## Stripping Tool for Connector

### General Description

- The connector kit preparation tool is removing the jacketing, coring foam and flaring sheath with hang use

### Feature and Benefit











- Reduce cable preparation time and expense while improving overall system performance
- All operation in 15 seconds
- Cable connections are more consistent, more reliable and more repeatable

### Product Number

Part Number	Description
60W110-C01	Stripping tool for 1/4"R ring corrugated cable
60W110-C03	Stripping tool for 1/2"R ring corrugated cable
60W107-CX5	Stripping tool for 7/8"R ring corrugated cable
60W110-C06	Stripping tool for 1 1/4"R ring corrugated cable

# Maintenance and safety Products

## Part Name

Part Name	Description	Pictures
Safety Gear	Full Body Harness + Belt Lanyard KARAM	
Gloves	Safety Gloves	
Safety Helmet	Ground Working Safety Helmet and Climbing Helmet	
Safety Vest	Polyester Safety Vest	
Traffic Stick Lamp	Length 30cm	
Traffic Cone	Rubber Traffic Cones 70cm	
Clamp Meter	AC DC and Frequency(Hz) Meter 400 Ampere	
Jumper Battery	600A Auto Battery Booster Jumper Cables w/ Clamp - Black + Red (2.5m)	
Rain Suit	Polyester Mesh	
Double Lanyard	Double Lanyard (2m adjustable double leg shock absorbing lanyard with 1 double action hook and 2 scaffolding hooks)	



## INTEGRATED SUPPLY

# Integrated Service

- We are well positioned to be responsive and flexible to customer's different requirements and we have the capability to adapt quickly to different market conditions
- Ensures that we offer the right solutions and deliver the right products at the right time with a flexible logistics operation –this is how our clients get more time to focus on their core business

## Integrated Supply Operation

- One complete kit from one interface directly to site instead of components from many suppliers



- We integrated all materials based on the customer's requirement for different countries/regions, based on different models of base station and deliver all materials by flexible handling ways

## With Our Services We Can Help You to

Product feature(s) that help solve the problem:	How we do so:
One-stop solution	Kits product integrate the quality products from various product line and 3rd party products upon request.
One-line-item Ordering	Rather than issue tens of different P.Os, you simply need to type one item.
Build-to-suit	Kits product adapts itself to specific needs of different sites.
Door-to-site delivery	With our plants and distribution centers around the globe, Kits product go straight from our facility to the site where they are to be installed.

- Reduce inventory
- Decrease purchase time and admin
- Simplified inventory control
- Simple shipment – all materials in one box
- Shorter lead time
- Faster time to market
- Reduce the number of suppliers

# Values for Our Customer

- Easy management: one interface instead of many suppliers
- Handle the warehousing as site packed and go directly to site
- Handle site kitting&packing operation
- Handle inventory
- Cost saving

## • Value-Added Service, 1 World



### More

Continuous Improvement on  
Supply Chain Management  
Your easy Way out!

## • 1 Value-Added Service, 1 World

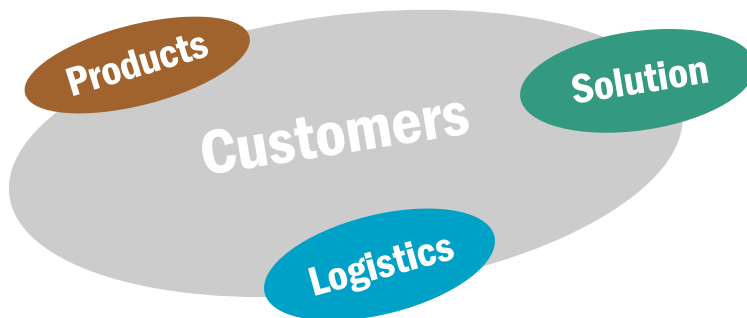


### Value Service



- 1 Total Solution
- 1 Complete Kitting
- 1 Quick Team
- 1 Smart Part number
- 1 Overall Family
- 1 Effective Value
- 1 Easy World

## Our Advantage



- Global capability
- Strong background in telecom
- Good quality control process
- Flexible and quick response
- Strong logistical team globally
- Have successful experience with customer
- Manufacture: most of products manufactured by ourselves





**ROSENBERGER SERVICE**

## **Rosenberger offers professional services that improve network design, reliability, scalability and efficiency.**

Our service core competences include:

- Network optimization
- Technical consultation
- Customized product design
- Installation & commissioning
- Onsite training & supervision
- System troubleshooting
- After-sales services

In addition, we also offer professional training, technical support and workshops for distributors and agents. We are committed to offering exceptional services for our customers.

Rosenberger is much more than just a supplier – Rosenberger is a valued development partner and we will strive to meet new challenges in order to scale to new heights.







## Website

For further information refer to our website:  
[www.RosenbergerAP.com](http://www.RosenbergerAP.com)

### Rosenberger Production and R&D base:

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