PROSE Cabling System

PROSE

Who We Are

Rosenberger Hochfrequenztechnik GmbH & Co. was founded in Germany in 1958 and ranks among the leading manufacturers of high-speed interconnect solutions worldwide. With its long tradition of excellence and innovation, Rosenberger has excelled and earned an outstanding reputation all over the world.

In early 2022 the Rosenberger Group announced the restructure of its antenna and coverage solution product portfolio with a new brand entity PROSE. The strategic focus of PROSE will be on the development of base station antennas, microwave antennas, indoor and outdoor coverage solutions, Open RAN sub-systems, data center, cabling system, IoT solutions, Automotive and related services.

As an independent entity, PROSE, with its lean, agile, and decentralized organizational structure, will be better placed to serve global customers and manage growth by bringing new technologies and solutions, aligned with the changing needs of customers in the telecom industry. The PROSE product portfolio will uphold Rosenberger's tradition of the highest innovation and quality while delivering improved technology expertise and enhanced local customer support around the globe.

PROSE consists of more than 3500 people, with 40+ subsidiaries sales/service offices, 4 factories, and 7 R&D centers covering mainly North America, Europe, the Middle East, Africa, and Asia. It will continue to serve more than 100 operators/ service providers worldwide including a wide set of customized solutions for 5G deployments.

PROSE is an ISO 9001 quality system and ISO 14001 environmental system certified company. Equipped with advanced machinery, automatically assembly, and testing centers supported by a large group of more than 400 R&D engineers, state-of-the-art production assembly lines, and stringent product and quality control.

PROSE's reliability and competitiveness are the cornerstones of this sustainable growth, which have resulted in long-term partnerships with most of the leading companies in their respective industries. PROSE will continue to provide excellent product solutions and services for its customers around the world.

A: Pune, India
B: New Jersey, USA
C: Donauwörth, Germany
D: Suzhou, China

Mission

- Customer always comes first
- Drive innovation together with and for our customers
- Maintain a secure, humane and happy environment for our employees
- Develop our employees by investing in their education
- Take social responsibility
- Protect our environment with ecologically friendly products, production and processes

Core Value

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

Products & Services

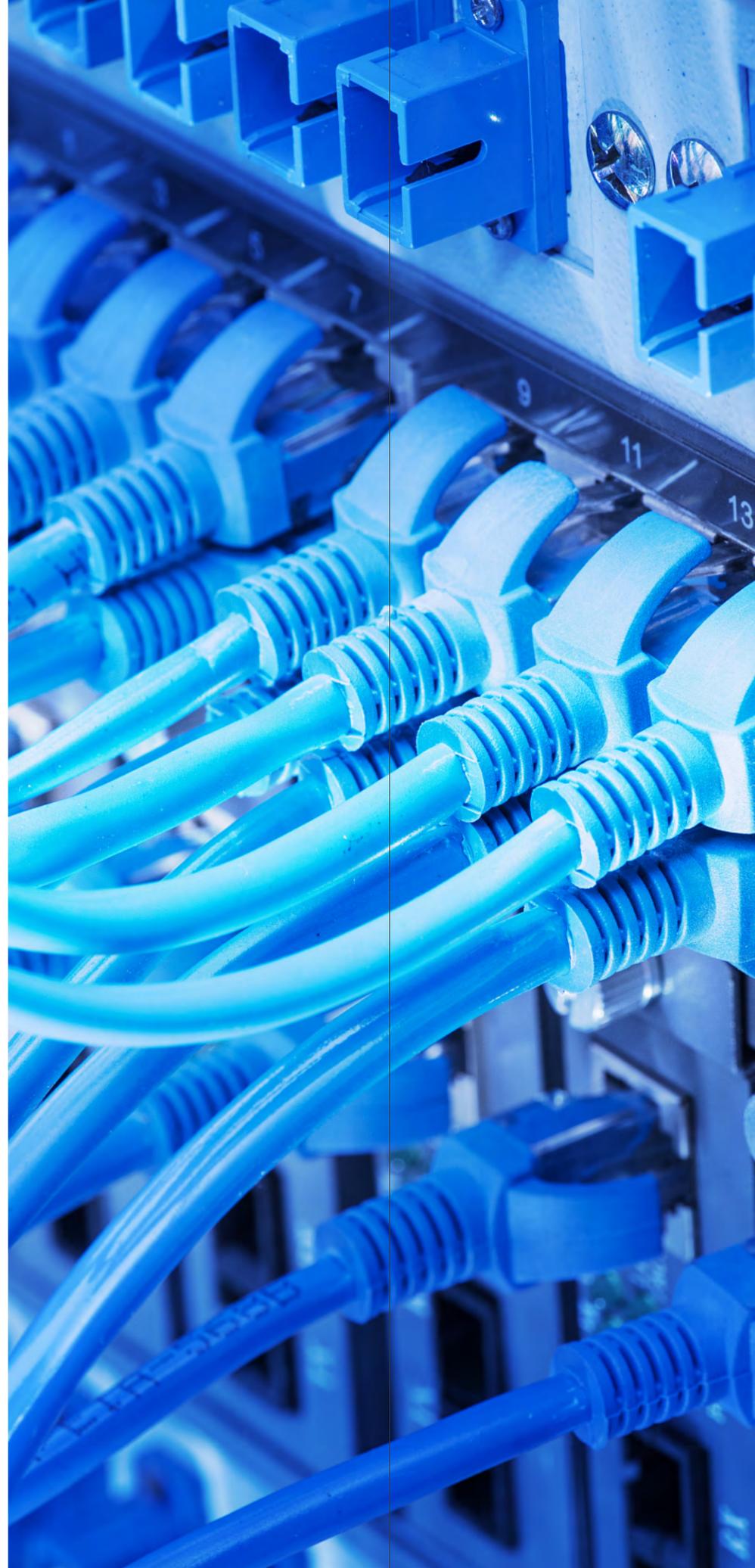|	
Digital World Products	Automatic Infrastructure Management System Building Cabling System Data Center Cabling System Edge Computing Data Center Modular Data Center MDC Cloud Management Platform
BTS Antennas	Single-MultiBand Antennas Multibeam Antennas Beamforming Antennas Small Cell Antennas High Efficiency BSA (PROTREEM) 5G Massive MIMO Antennas Camouflage Products
Network Systems	Combiner Unit Master Unit Extended Unit Low Power Remote Unit (LPRU) High Power Remote Unit (HPRU)-Cabinet 4G High Power Remote Unit (HPRU)-Cabinet 5G High Power Remote Unit (HPRU)-Blade 4G High Power Remote Unit (HPRU)-Blade 5G Medium Power Remote Unit (MPRU) Passive DAS Components
Microwave Products	Class 3 Series Class 4 Series E-Band Series Dual-Band Series Microwave Components
O-RAN Radios	ORAN Radio Unit (ORU) Digital Control Unit (DCU) Small Cell
Archer Site Accessories	RF Coaxial Products Power Products Fiber Products Hybrid Cable Solution Installation Material
Filter Solutions	Interference Mitigation Filters Embedded Filters Site Combiners

Contents

Copper Cabling System Solution

- Copper Cabling system is mainly composed of several parts: Copper Cable, Copper Patch Panel, RJ45 Keystone Jack, Copper Patch Cord, Faceplate, Plug, etc..

- PROSE copper cable system solution can offer a full range of products to meet the different requirements of the market, from Cat5e to Cat8, unshielded to shielded, indoor to outdoor. The product solution is flexible and reliable which can meet the needs of customers in different applications.

- PROSE offers clients with structured cabling solution which is both open and flexible. Standardized cables, connectors and modules are used throughout the system, making installation, maintenance and expansion of the system flexible and convenient.

- PROSE cabling system supports POE application which can provide efficient solution for remote equipment power supply.

- With excellent quality and excellent performance, the product has been tested and certified by authoritative 3rd party organizations, providing a solid foundation for signal transmission.
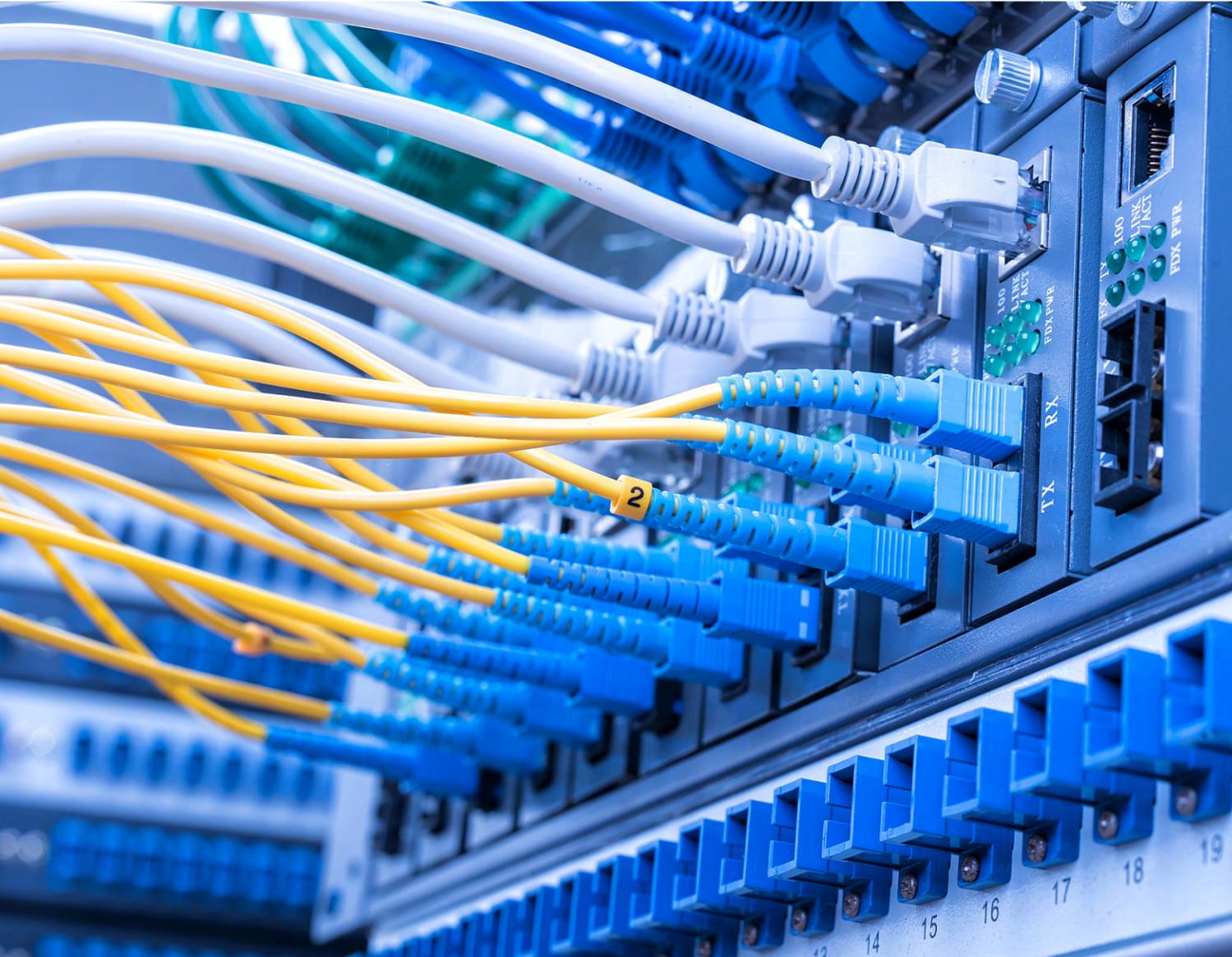
Copper Cable

Features

- PROSE can provide a full range of copper cable twisted pair, from Cat5e to Cat8.
- Performance is excellent, far exceeds ANSI/TIA-568.2-D, IEC/ISO 11801 and other standards.
- Sheath material diversification, PVC, LSZH, CMR, CMP is optional.
- Indoor and outdoor optional.

Parameter Information

Category	Structure	Bandwidth	Environment	Outer diameter (mm)	Conductor	Sheath	Color	Insulation outer diameter (mm)	Drawing of structure
Cat8	S/FTP	2000M	Indoor	8.4	22AWG		PVC: Blue LSZH: Orange Other colors can be customized	1.58±0.05	
Cat7A	S/FTP	1000M	Indoor	7.6	23AWG			1.33±0.05	
Cat7	S/FTP	600M	Indoor	7.6	23AWG			1.33±0.05	
Cat6A	S/FTP	500M	Indoor	7.5	23AWG	PVC LSZH CM CMX CMR CMP LSZH-3 etc.	PVC: Blue LSZH: Orange Other colors can be customized	1.33±0.05	
	F/FTP		Indoor	7.5	23AWG			1.33±0.05	
	F/UTP		Indoor	7.4	23AWG			1.12±0.05 1.16±0.05	
	U/FTP		Indoor	7.3	23AWG			1.33±0.05	
	U/UTP		Indoor	7.3	23AWG			1.12±0.05 1.16±0.05	
Cat6	F/FTP	250M	Indoor	7.4	23AWG	PVC LSZH CM CMX CMR CMP LSZH-3 etc.	PVC: Blue LSZH: Orange Other colors can be customized	1.33±0.05	
	F/UTP		Indoor	7.4	23AWG			1.12±0.05	
	U/UTP			6.2	23AWG			1.02±0.05	
	U/UTP			5.8	24AWG			0.95±0.05	
	U/UTP		outdoor	7.5	23AWG	PE	Black	1.02±0.05	

Category	Structure	Bandwidth	Environment	Outer diameter (mm)	Conductor	Sheath	Color	Insulation outer diameter (mm)	Drawing of structure
Cat5e	U/UTP	100M	Indoor	5	24AWG	PVC, LSZH, etc.	PVC: Blue LSZH: Orange Other colors can be customized	0.88±0.05	
	U/UTP	100M	outdoor	6.2	24AWG	PE	Black	0.87±0.05	
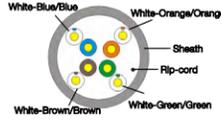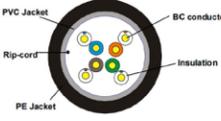
Ordering Information

Product Series	Categary	-	Structure	Sheath	Pairs	-	Application Environment	Length	Color
CC: Copper Cable	30: Cat3 50: Cat5 5E: Cat5e 60: Cat6 23AWG 6E: Cat6 24AWG 6A: Cat6A 70: Cat7 7A: Cat7A 81: Cat8.1 82: Cat8.2	-	1: U/UTP 2: F/UTP 3: U/FTP 4: F/FTP 5: S/FTP	1: PVC CM 2: LSZH IEC60332-1 3: CMR 4: CMP 5: LSZH IEC60332-3A 6: LSZH IEC60332-3C 7: PE 8: PVC	1: 4 Pairs 2: 25 Pairs 3: 50 Pairs 4: 100 Pairs 5: 10 Pairs 6: 20 Pairs	-	1: Indoor 2: Outdoor	1:305m 2:500m 3:1000m 4: 100m 5: 305m Box with drum	GY: Grey OR: Orange BL: Blue PL: Purple RD: Red GR: Green WH: White BK: Black

• Example:

Part Number	Description
CC5E-121-11OR	Cable, Cat5e, UTP, 24AWG, LSZH, Orange, 305m
CC60-111-11BL	Cable, Cat6, UTP, 23AWG, PVC CM, Blue, 305m
CC6A-111-11BL	Cable, Cat6A, UTP, 23AWG, PVC CM, Blue, 305m

Copper Patch Cord

Features

- Connector contacts are plated with gold of 50μ", minimizing contact resistance.
- Performance far exceeds ANSI/TIA-568.2-D standards.
- Different colors can be provided to distinguish different networks.
- Performance is excellent, passed the unit test.

Ordering Information

Product Series	Categary	-	Structure	Sheath	Pairs	-	Conductor Type	Length	Color
CJ: Copper Jumper	30: Cat3 50: Cat5 5E: Cat5e 60: Cat6 6A: Cat6A 70: Cat7 7A: Cat7A 81: Cat8.1 82: Cat8.2	-	1: RJ45-RJ45 UTP 2: RJ45-RJ45 FTP 3: 110-110 UTP 4: 110-110 FTP 5: RJ11-RJ11 UTP 6: RJ11-RJ11 FTP 7: RJ45-RJ11 UTP 8: RJ45-RJ11 FTP 9: RJ45-RJ45 S/FTP	1: PVC CM 2: LSZH IEC60332-1 3: CMR 4: CMP 5: LSZH IEC60332-3A 6: LSZH IEC60332-3C 8: PVC	1: 4 Pairs 568A 2: 2 Pairs 4: 4 Pairs 568B	-	1: Stranded 24/26AWG 2: Solid 24/26AWG 3: Stranded 28AWG 4: Stranded 24/26AWG with Lock 5: Stranded 28AWG with Lock	1: 1m 2: 2m 3: 3m 4: 4m 5: 5m 6: 6m 7: 7m 8: 8m 9: 9m A: 10m H: 0.5m B: 15m C: 20m D: 25m	GY: Grey OR: Orange BL: Blue PL: Purple RD: Red GR: Green WH: White BK: Black YL: Yellow

• Example:

Part Number	Description
CJ6A-114-12GY	Copper Patch Cord, Cat6A, UTP, RJ45-RJ45, CM, Grey, 2m
CJ60-114-12GY	Copper Patch Cord, Cat6, UTP, RJ45-RJ45, CM, Grey, 2m
CJ5E-114-12GY	Copper Patch Cord, Cat5e, UTP, RJ45-RJ45, CM, Grey, 2m

1HU 48 Ports Modular Patch Panel

Features

- Meet and exceed the requirements of ANSI/TIA-568.2-D.
- With rear cable manager which ensures excellent bending performance of copper cable.
- High density with 1HU 48 ports.
- Compatible with various keystones.
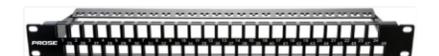
Ordering Information

Part Number	Description
CP00-121-1E	Patch Panel, Modular, Unshielded, 1HU 48-port, without keystones
CP00-221-1E	Patch Panel, Modular, Shielded, 1HU 48-port, without keystones

1HU 24 Ports Modular Patch Panel

Features

- Meet and exceed the requirements of ANSI/TIA-568.2-D.
- With rear cable manager which ensures excellent bending performance of copper cable.
- Structure of module removable from frontside is optional, more conducive to construction and maintenance.
- Clear interface identification, easy operation.
- Compatible with various keystones.

Ordering Information

Part Number	Description
CP00-111-1E	Patch Panel,1U 24 Port, Unshielded, without keystones
CP00-111-3E	Patch Panel,1U 24 Port, Unshielded, Module front disassembly, without keystones
CP00-211-1E	Patch Panel,1U 24 Port, Shielded, without keystones

1HU 24 Ports Angled Modular Patch Panel

Features

- Meet and exceed the requirements of ANSI/TIA-568.2-D.
- With rear cable manager which ensures excellent bending performance of copper cable.
- Angled design allows patch cords to be lined from the side to save the space of cable management.
- Convenient and clear marking.
- Compatible with various keystones.

Ordering Information

Part Number	Description
CP00-111-2E	Patch Panel,1U 24 Port, Angled, Unshielded, without keystones
CP00-211-2E	Patch Panel,1U 24 Port, Angled, shielded, without keystones

IDC-type Copper Patch Panel

Features

- Meet and exceed the requirements of ANSI/TIA-568.2-D.
- High performance which can also ensure excellent short link performance based on unique design.
- Delivery includes installation accessories and labeling system.
- Both unshielded and shielded solutions are available.

Ordering Information

Part Number	Description
CP6A-311-12	Patch Panel, IDC, Cat6A Unshielded, 1HU 24-port
CP6A-411-12	Patch Panel, IDC, Cat6A Shielded, 1HU 24-port
CP60-311-12	Patch Panel, IDC, Cat6 Unshielded, 1HU 24-port
CP60-411-12	Patch Panel, IDC, Cat6 Shielded, 1HU 24-port
CP5E-311-12	Patch Panel, IDC, Cat5e Unshielded, 1HU 24-port
CP5E-411-12	Patch Panel, IDC, Cat5e Shielded, 1HU 24-port

110 Voice Patch Panel

Features

- Meet and exceed the requirements of ANSI/TIA -568.2-D.
- Modular designed which makes expansion and restructuring easily.
- 50 pairs and 100 pairs are optional.
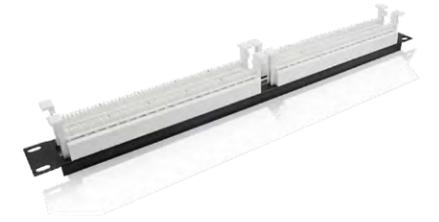
Ordering Information

Part Number	Description
CP30-341-11	Patch panel, 110 50 pairs, 1HU, rack-mounted
CP30-351-11	Patch panel, 110 100 pairs, 1HU, rack-mounted

RJ45 Shielded Keystone Jack

Features

- Toolless design, convenient for installation and maintenance.
- Meet and exceed ANSI/TIA-568.2-D requirements.
- Outstanding performance, (including IR, NEXT, FEXT and RL), which ensure the high performance.
- Termination cover provides excellent strain relief, helps control cable bend radius and securely fixes cables.
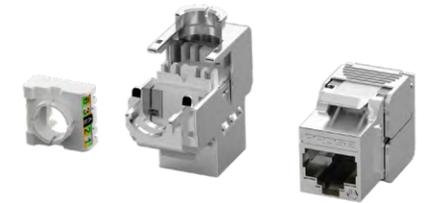
Category	Bandwidth	Rated Voltage	Rated Current	Maximum Voltage	Contact Resistance	Insulation Resistance	Life (plug in /out)	IDC life
Cat8	2000M							
Cat6A	600M	125V	1.5AMP	1000V	≤ 20MΩ	≥ 100MΩ	≥ 1000times	≥ 300times
Cat6	250M							
Cat5e	100M							

Ordering Information

Part Number	Description
KS82-221-1MT	Keystone Jack, RJ45, Cat8, Zinc Alloy Shielded,180°, Toolless, MT
KS6A-221-1MT	Keystone Jack, RJ45, Cat6A, Zinc Alloy Shielded,180°, Toolless, MT
KS60-221-1MT	Keystone Jack, RJ45, Cat6, Zinc Alloy Shielded,180°, Toolless, MT
KS5E-221-1MT	Keystone Jack, RJ45, Cat5e, Zinc Alloy Shielded,180°, Toolless, MT

RJ45 Unshielded Keystone Jack Toolless

Features

- Toolless design, convenient for installation and maintenance
- Meet and exceed ANSI/TIA-568.2-D requirements.
- Outstanding performance, (including IR, NEXT, FEXT and RL), which ensure the high performance.

Category	Bandwidth	Rated Voltage	Rated Current	Maximum Voltage	Contact Resistance	Insulation Resistance	Life (plug in /out)	IDC life
Cat6A	600M							
Cat6	250M	125V	1.5AMP	1000V	≤ 20MΩ	≥ 100MΩ	≥ 1000times	≥ 250times
Cat5e	100M							

Ordering Information

Part Number	Description
KS6A-121-1WH	Keystone Jack, RJ45, Cat6A, Unshielded,180°, White, Toolless
KS60-121-1WH	Keystone Jack, RJ45, Cat6, Unshielded,180°, White, Toolless
KS5E-121-1WH	Keystone Jack, RJ45, Cat5e, Unshielded,180°, White, Toolless

RJ45 Unshielded Keystone Jack

Features

- Meet and exceed the requirement of ANSI/TIA-568.2-D.
- Outstanding performance, (including IR, NEXT, AXT, RL etc.), which ensure the high link performance.
- Rear cover shrapnel design, easy removal and maintenance.
- IDC contact material: Phosphor bronze with nickel plating.
- Housing material: PC UL94V-0.
- Pin material: Phosphor bronze with 50μ" gold plating.
- Wire: AWG 22 ~ 26.
- Logo color: Defaulted: blue, other color is customizable.

Category	Bandwidth	Rated Voltage	Rated Current	Maximum Voltage	Contact Resistance	Insulation Resistance	Life (plug in /out)	IDC life
Cat6A	600M							
Cat6	250M	125V	1.5AMP	1000V	≤ 20MΩ	≥ 100MΩ	≥ 1000times	≥ 250times
Cat5e	100M							

Ordering Information

Part Number	Description
KS6A-111-1BL	Keystone Jack, RJ45, Cat6A, Unshielded,180°, Blue
KS60-111-1BL	Keystone Jack, RJ45, Cat6, Unshielded,180°, Blue
KS5E-111-1BL	Keystone Jack, RJ45, Cat5e, Unshielded,180°, Blue

Cat3 Unshielded Keystone Jack

Features

- Meet and exceed ANSI/TIA-568.2-D requirements.
- Termination cover provides excellent strain relief, helps control cable bend radius and securely fixes wires.

Ordering Information

Part Number	Description
KS30-111-2WH	Keystone Jack, RJ11, Cat3, Unshielded,90°, White

86 Style Faceplate

Features

- Panel cover disassembly is convenient, without tools, convenient maintenance.
- High grade PC material, flame retardant, UV94 V-0 rated.
- Plane and angled types are optional.
- Provide 1 to 4 ports for plane type, each port with dust cover.
- Provide 1 to 2 ports for angled type.

Ordering Information

Part Number	Description
WF11-121-WH	Faceplate, Plane, Single-port, White
WF11-221-WH	Faceplate, Plane, Dual-port, White
WF11-421-WH	Faceplate, Plane, Four-port, White
WF12-121-WH	Faceplate, Angled, Single-port, White
WF12-221-WH	Faceplate, Angled, Dual-port, White

RJ45 & RJ11 Crystal Plug

Features

- Gold plating thickness is 50μ", ensuring excellent terminating performance.
- Meet and exceed ANSI/TIA-568.2-D requirements.
- Different colors can be customized.
- Shielded and unshielded are optional.

Ordering Information

Part Number	Description
PG30-11	RJ11 Plug, Cat3, Unshielded
PG5E-11	RJ45 Plug, Cat5e, Unshielded
PG60-11	RJ45 Plug, Cat6, Unshielded
PG6A-11	RJ45 Plug, Cat6A, Unshielded
PG5E-21	RJ45 Plug, Cat5e, Shielded
PG60-21	RJ45 Plug, Cat6, Shielded
PG6A-21	RJ45 Plug, Cat6A, Shielded

Recommended configuration for typical Copper Cabling system solutions

Recommended configuration of Cat6A S/FTP cabling systems:

Part Number	Description
CC6A-521-11OR	Cable, Cat6A, S/FTP, 23AWG, LSZH, Orange, 305m
CP00-211-1E	Patch Panel, Modular, Shielded, 1HU 24-port, without keystones
KS6A-221-1MT	Keystone Jack, RJ45, Cat6A, Zinc Alloy Shielded,180°, Toolless, MT
CJ6A-924-13GY	Patch Cord, Cat6A, RJ45-RJ45, S/FTP, LSZH, Grey,3m

Recommended configuration of Cat6A UTP cabling systems:

Part Number	Description
CC6A-121-11OR	Cable, Cat6A, UTP, 23AWG, LSZH, Orange, 305m
CP00-111-1E	Patch Panel, Modular, Unshielded, 1HU 24-port, without keystones
KS6A-111-1BL	Keystone Jack, RJ45, Cat6A, Unshielded,180°, Blue
CJ6A-124-13GY	Patch Cord, Cat6A, RJ45-RJ45, UTP, PVC CM, Grey,3m

Recommended configuration of Cat6 F/UTP cabling systems:

Part Number	Description
CC60-221-11OR	Cable, Cat6, F/UTP, 23AWG, LSZH, Orange, 305m
CP00-211-1E	Patch Panel, Modular, Shielded, 1HU 24-port, without keystones
KS60-221-1MT	Keystone Jack, RJ45, Cat6, Zinc Alloy Shielded,180°, Toolless, MT
CJ60-224-13GY	Patch Cord, Cat6, RJ45-RJ45, FTP, LSZH, Grey,3m

Recommended configuration of Cat6 UTP cabling systems:

Part Number	Description
CC60-121-11OR	Cable, Cat6, UTP, 23AWG, LSZH, Orange, 305m
CP00-111-1E	Patch Panel, Modular, Unshielded, 1HU 24-port, without keystones
KS60-111-1BL	Keystone Jack, RJ45, Cat6, Unshielded,180°, Blue
CJ60-124-13GY	Patch Cord, Cat6, RJ45-RJ45, UTP, PVC CM, Grey,3m

Recommended configuration of Cat5e F/UTP cabling systems:

Part Number	Description
CC5E-221-11OR	Cable, Cat5e, F/UTP, 23AWG, LSZH, Orange, 305m
CP00-211-1E	Patch Panel, Modular, Shielded, 1HU 24-port, without keystones
KS5E-221-1MT	Keystone Jack, RJ45, Cat5e, Zinc Alloy Shielded,180°, Toolless, MT
CJ5E-224-13GY	Patch Cord, Cat5e, RJ45-RJ45, FTP, LSZH, Grey,3m

Recommended configuration of Cat5e UTP cabling systems:

Part Number	Description
CC5E-121-11OR	Cable, Cat5e, UTP, 23AWG, LSZH, Orange,305m
CP00-111-1E	Patch Panel, Modular, Unshielded, 1HU 24-port, without keystones
KS5E-111-1BL	Keystone Jack, RJ45, Cat5e, Unshielded,180°, Blue
CJ5E-124-13GY	Patch Cord, Cat5e, RJ45-RJ45, UTP, PVC CM, Grey,3m

Optic Fiber Cabling System Solution

- Optical fiber cabling system is mainly composed of several parts: Fiber Optic Cable, Fiber Optic Patch Panel, Fiber Optic Adapter, Fiber Optic Patch Cord/Pigtail, etc..

- PROSE can offer a full range of products to meet the needs of the market, from single mode to multi-mode, metal armored to non-metal armored, indoor and outdoor. The product solution is flexible and reliable which can meet different requirements of customers in different applications.

- PROSE offers clients structured cabling solutions that are both open and flexible. Standardized cables, connectors and modules are used throughout the system, making installation, maintenance and expansion of the system very flexible and convenient.

- The product quality and performance are excellent with authoritative 3rd party certification, far beyond the requirements of domestic and international standards which provide a solid foundation for signal transmission.

Indoor Tight-buffered Distribution Fiber Optic Cable
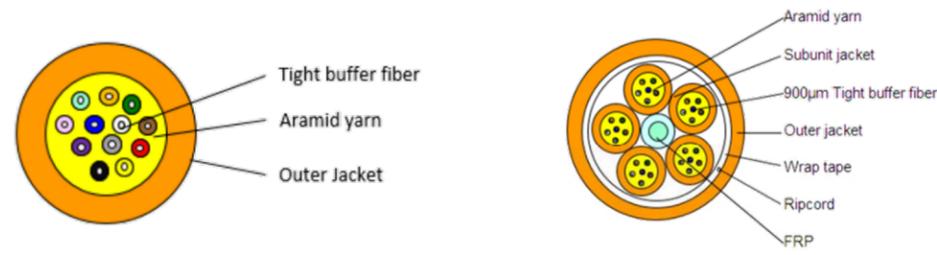
Technical Parameters

Fiber count	Cable diameter (mm)	Weight (kg/km)	Min bend radius installing (mm)	Min bend radius maintaining (mm)	Max Loading (N)	Crush (N/cm)
2	4.0	14	80	40	660	100
4	4.8	20	96	48	660	100
6	5.1	23	102	51	660	100
8	5.6	30.8	112	56	660	100
12	6.2	37	124	62	660	100
24	8.1	59.9	162	81	660	100
24(Stranded)	12.3	131	246	123	660	100

Ordering Information

Fiber Optic Cable Category	-	Fiber Type	Outer Sheath Material	Fiber Count
FC01: Indoor, tight buffered FC02: Indoor, tight buffered, stranded	-	GD: G652D M2: OM2 M3: OM3 M4: OM4 M5: OM5	1: OFNR 2: LSZH 60332-1 4: OFNP 5: LSZH 60332-3A 6: LSZH 60332-3C	002: 2F 012: 12F 024: 24F 144: 144F

- Example:

Part Number	Fiber Count	Description
FC01-GD1012	12	Cable, Indoor, Tight Buffer Distribution Cable,12F, G652D, OFNR
FC01-M31012	12	Cable, Indoor, Tight Buffer Distribution Cable,12F, OM3, OFNR
FC01-M32024	24	Cable, Indoor, Tight Buffer Distribution Cable,24F, OM3, LSZH

Outdoor Fiber Optic Cable GYXTW

Technical Parameters

Fiber count	Cable diameter (mm)	Weight (kg/km)	Min bend radius installing (mm)	Min bend radius maintaining (mm)	Tensile Strength (N)	Crush (N/cm)
4	8.9	100	20D	10D	1500	1000
6	8.9	100	20D	10D	1500	1000
8	8.9	100	20D	10D	1500	1000
12	8.9	100	20D	10D	1500	1000
18	9.5	100	20D	10D	1500	1000
24	9.5	100	20D	10D	1500	1000

Ordering Information

Fiber Optic Cable Category	-	Fiber Type	Outer Sheath Material	Fiber Count
FC03: Outdoor, GYXTW	-	GD: G652D M2: OM2 M3: OM3 M4: OM4 M5: OM5	1: OFNR 2: LSZH 60332-1 3: PE	002: 2F 012: 12F 024: 24F

- Example:

Part Number	Fiber Count	Description
FC03-GD3002	2	Cable, Outdoor, GYXTW, 2F, G652D, PE
FC03-M33004	4	Cable, Outdoor, GYXTW, 4F, OM3, PE

Outdoor Fiber Optic Cable GYTS

Fiber
Tube filling compound
Loose tube
Cable filling compound
PSP
PE jacket
Central strength member

Technical Parameters

Fiber count	Cable diameter (mm)	Weight (kg/km)	Min bend radius installing (mm)	Min bend radius maintaining (mm)	Tensile Strength (N)	Crush (N/cm)
4	8.9	100	20D	10D	1500	1000
6	8.9	100	20D	10D	1500	1000
8	8.9	100	20D	10D	1500	1000
12	8.9	100	20D	10D	1500	1000
18	9.5	100	20D	10D	1500	1000
24	9.5	100	20D	10D	1500	1000
30	9.5	100	20D	10D	1500	1000
36	9.8	110	20D	10D	1500	1000
48	11.0	136	20D	10D	1500	1000
60	11.0	136	20D	10D	1500	1000
72	12.0	155	20D	10D	3000	1000
96	13.6	192	20D	10D	3000	1000
144	16.9	277	20D	10D	3000	1000

Ordering Information

Fiber Optic Cable Category	-	Fiber Type	Outer Sheath Material	Fiber Count
FC04: Outdoor, GYTS	-	GD: G652D M2: OM2 M3: OM3 M4: OM4 M5: OM5	1: OFNR 2: LSZH 60332-1 3: PE	002: 2F 012: 12F 024: 24F 144: 144F

Outdoor Fiber Optic Cable GYTA

Fiber
Tube filling compound
Loose tube
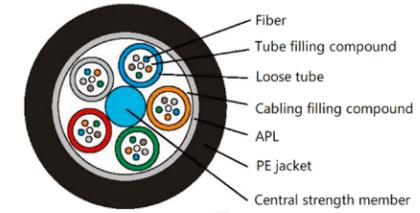Cabling filling compound
APL
PE jacket
Central strength member

Technical Parameters

Fiber count	Cable diameter (mm)	Weight (kg/km)	Min bend radius installing (mm)	Min bend radius maintaining (mm)	Tensile Strength (N)	Crush (N/cm)
4	8.9	100	20D	10D	1500	1000
6	8.9	100	20D	10D	1500	1000
8	8.9	100	20D	10D	1500	1000
12	8.9	100	20D	10D	1500	1000
18	9.5	100	20D	10D	1500	1000
24	9.5	100	20D	10D	1500	1000
30	9.5	100	20D	10D	1500	1000
36	9.8	110	20D	10D	1500	1000
48	11.0	136	20D	10D	1500	1000
60	11.0	136	20D	10D	1500	1000
72	12.0	155	20D	10D	3000	1000
96	13.6	192	20D	10D	3000	1000
144	16.9	277	20D	10D	3000	1000

Ordering Information

Fiber Optic Cable Category	-	Fiber Type	Outer Sheath Material	Fiber Count
FC05: Outdoor, GYTA	-	GD: G652D M2: OM2 M3: OM3 M4: OM4 M5: OM5	1: OFNR 2: LSZH 60332-1 3: PE	002: 2F 012: 12F 024: 24F 144: 144F

Outdoor Fiber Optic Cable GYTA53
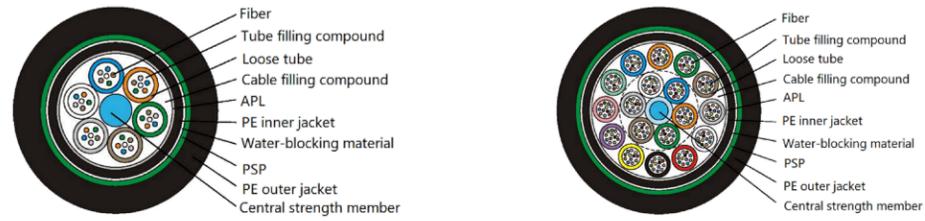
Technical Parameters

Fiber count		2~48	50~72	74~84	86~96	98~108	110~120	122~132	134~144
Cable diameter nominal (mm)		17.8	17.8	18.6	19.6	20.4	21.2	22.0	22.9
Cable weight approx. (kg/km)		280	290	300	310	330	350	380	410
Fiber color		Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua							
Min. bending radius	Short term	25 times cable O.D							
	Long term	12.5 times cable O.D							
Tensile strength	Short term	≥ 3000 N							
	Long term	≥ 1000 N							
Crush resistance	Short term	≥ 3000 N/10cm							
	Long term	≥ 1000 N/10cm							
Operation temperature		-40°C~+70°C							
Storage temperature		-40°C~+70°C							
Installation temperature		-20°C~+70°C							

Ordering Information

Fiber Optic Cable Category	-	Fiber Type	Outer Sheath Material	Fiber Count
FC06: Outdoor, GYTA53	-	GD: G652D M2: OM2 M3: OM3 M4: OM4 M5: OM5	1: OFNR 2: LSZH 60332-1 3: PE	002: 2F 012: 12F 024: 24F 144: 144F

Outdoor Non-Metallic Armored Cable
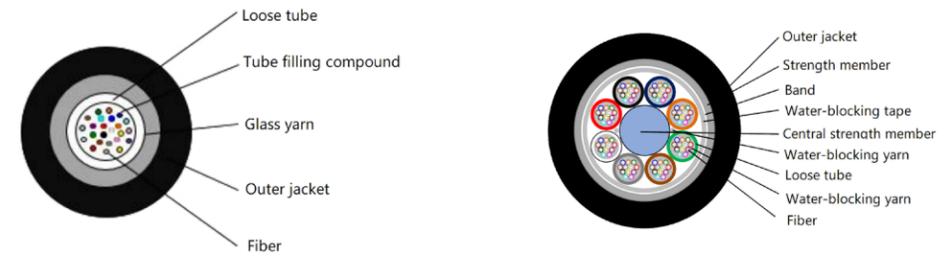
Technical Parameters

Fiber count		2~12 (Central loose tube)	14~24 (Central loose tube)	36~72 (Stranded)	96 (Stranded)
Cable diameter nominal (mm)		6.6	7.1	10	11.3
Cable weight approx. (kg/km)		40	47	115	154
Fiber color		Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua			
Min. bending radius	Short term	25 times cable O.D			
	Long term	12.5 times cable O.D			
Tensile strength	Short term	≥ 1000 N			
	Long term	≥ 400 N			
Crush resistance	Short term	≥ 3000 N /100mm			
	Long term	≥ 1000 N /100mm			
Operation temperature		-40°C~+70°C			
Storage temperature		-40°C~+70°C			
Installation temperature		-20°C~+70°C			

Ordering Information

Fiber Optic Cable Category	-	Fiber Type	Outer Sheath Material	Fiber Count
FC07: Outdoor, Central Loose Tube FC08: Outdoor, Stranded	-	GD: G652D M2: OM2 M3: OM3 M4: OM4 M5: OM5	1: OFNR 2: LSZH 60332-1 3: PE	002: 2F 012: 12F 024: 24F 144: 144F

Indoor Fiber Optic Trunk Cable

Features

- Support fiber count ranging from 4 to 144 for high-density application.
- G652D,OM3, OM4 and OM5 fiber type are available for different requirements.
- Without a single splicing point in the entire trunk cable, each fiber connector is tested in factory for transmission and connectivity performance to ensure minimal insertion loss.
- PVC, OFNR, OFNP or LSZH rated outer sheath cables are available.
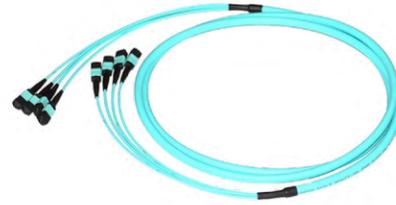
Ordering Information

Category	Fiber Type	-	Fiber Count	Connector L	Connector R	Outer Sheath	-	Polarity	Length
FT: Fiber Trunk	GD: G652D A1: G657A1 A2: G657A2 B2: G657B2 B3: G657B3 M2: OM2 M3: OM3 M4: OM4 M5: OM5	-	01: 1F 02: 2F 04: 4F 06: 6F 08: 8F 12: 12F 144: 144F	LC: LC UPC SC: SC UPC FC: FC UPC ST: ST UPC MM: MPO Male MF: MPO Female TM: MTP Male TF: MTP Female LA: LC/APC SA: SC/APC FA: FC/APC	LC: LC UPC SC: SC UPC FC: FC UPC ST: ST UPC MM: MPO Male MF: MPO Female TM: MTP Male TF: MTP Female LA: LC/APC SA: SC/APC FA: FC/APC	1: PVC 2: LSZH 3: OFNR 4: OFNP 5: LSZH 60332-3C	-	A: Type A B: Type B C: Type C	001: 1m 010: 10m 100: 100m

Fiber Optic Patch Panel, High Density, 96F/1HU

Features

- Drawer-type design, installation and maintenance can be more convenient and time-saving.
- A variety of cassettes and adapter panels are provided to meet various requirements.
- The front panel can be inverted to facilitate Cabling management.
- 1HU supports up to 96-core LC.
- With front cable management, saving space.
- Size: 482.6 × 255.9 × 1HU/2HU/3HU

Ordering Information

Part Number	Description
FPH1-096-2	Fiber Optic Patch Panel, High Density, 96F, 1HU, without Cassette
FPH2-096-2	Fiber Optic Patch Panel, High Density, 192F, 2HU, without Cassette
FPH3-096-2	Fiber Optic Patch Panel, High Density, 288F, 3HU, without Cassette

Fiber Optic Patch Panel, High Density, 144F/1HU

Features

- Drawer-type design, installation and maintenance can be more convenient and time-saving.
- A variety of cassettes and adapter panels are provided to meet various requirements.
- The front panel is reversible to facilitate cable management.
- 1HU supports up to 96-core LC.
- With front cable management, saving space.
- Size: 482.6 × 384 × 1HU/2HU/4HU

Ordering Information

Part Number	Description
FPH1-144-2	Fiber Optic Patch Panel, High Density, 144F, 1HU, without Cassette
FPH2-144-2	Fiber Optic Patch Panel, High Density, 288F, 2HU, without Cassette
FPH4-144-2	Fiber Optic Patch Panel, High Density, 576F, 4HU, without Cassette

Cassette, for Patch Panel 96F/1HU

Features

- 8F, 12F and 24F cassettes are optional.
- Polarity A, B, C and G are optional.
- High quality MTP/MPO connectors for stable performance and low loss.
- Clamp-type installation, making it easy to plug in and out, convenient to install and maintenance.
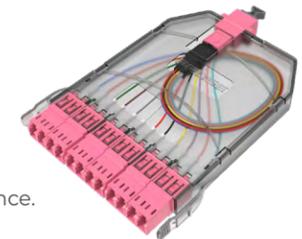
Cassette, for Patch Panel 144F/1HU

Features

- 8F and 12F cassettes are optional.
- Polarity A, B, C and G are optional.
- High quality MTP/MPO connectors for stable performance and low loss.
- Clamp-type installation, making it easy to plug in and out, convenient to install and maintenance.

Ordering Information

Product Series	Port Qty	-	Fiber Type	MTP/MPO Type	Application	-	Polarity
OC: Optical Fiber Cassette (MTP/MPO-LC)	08: 08F LC 12: 12F LC 24: 24F LC	-	SM: SM M2: OM2 M3: OM3 M4: OM4 M5: OM5	MM: MPO Male MF: MPO Female TM: MTP Male TF: MTP Female	1: 1U 96 core 2: 1U 144 core	-	A: Polarity A B: Polarity B C: Polarity C G: General Polarity

- Example:

Part Number	Description
OC12-SMMF1-G	Cassette,12F,MPO(F)-LC,SM,General Polarity
OC12-M3MF1-G	Cassette,12F,MPO(F)-LC,OM3,General Polarity
OC12-M4MF1-G	Cassette,12F,MPO(F)-LC,OM4,General Polarity
OC12-SMTF1-G	Cassette,12F,MTP(F)-LC,SM,General Polarity

Fiber Optic Patch Panel

Features

- With front cable management, saving space for customer.
- Flexible cable entry, side or back way is optional.
- The front cover can be flexibly removed, making the appearance neat and generous.
- The 1HU fiber optic patch panel is compatible with various optical fiber adapters such as LC, SC, ST, etc.
- It has enough space to ensure the winding, fixing and connecting of fiber optic cable, with manager and fixed accessories.

Fiber Optic Patch Panel, Fixed Splice
Size: 482.6 × 325 × 44.5mm

Fiber Optic Patch Panel, Sliding Splice
Size: 482.6 × 327 × 44.5mm

Ordering Information

Category	Height	-	Port	Port Type	-	Adapter	Fiber Type	Pigtail
FP1: Fiber Optic Patch Panel, Fixed Splice FP2: Fiber Optic Patch Panel, Sliding Splice	1: 1U 2: 2U 3: 3U 4: 4U	-	12: 1U 12 Port (24LC) 24: 1U 24 Port (48LC) 48: 1U 48 Port	1: Square (LCD/SC) 2: Round (FC/ST) 3:SCD	-	E: Empty(without Adapter & Pigtail) LC: LC UPC SC: SC UPC FC: FC UPC ST: ST UPC PA: MPO Type A TA: MTP Type A PB: MPO Type B TB: MTP Type B LA: LC APC SA: SC APC	Empty: Empty Panel GD: G652D A1: G657A1 A2: G657A2 B2: G657B2 B3: G657B3 M2: OM2 M3: OM3 M4: OM4 M5: OM5	Empty: Empty Panel 1: with pigtail

Hybrid Patch Panel

Features

- Hybrid type panel is suitable for both fiber and copper solutions.
- Support both trunk cable and splicing solution for fiber applications.
- Every kind of PROSE keystones and fiber adapters can be installed into modules.
- Maximum of three modules can be installed into one 1HU patch panel, up to 72 fibers with LC connector or 24 copper connections.
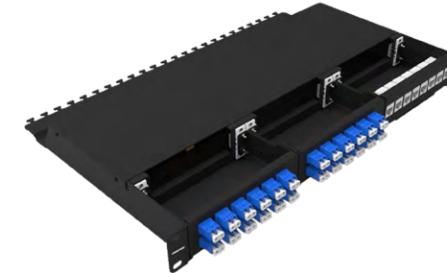
Ordering Information

Part Number	Description
Patch Panel	
HPP1-1E	Hybrid Modular Patch Panel, 1HU, empty
Accessories Information	
Copper Modules	
HPMC-E2	RJ type copper module plate without RJ45 module for hybrid panel
HPMC-08EU	8 port C5e module with 8Pcs UTP keystone jack for hybrid panel
HPMC-086U	8 port C6 module with 8Pcs UTP keystone jack for hybrid panel
HPMC-08AU	8 port C6A module with 8Pcs UTP keystone jack for hybrid panel
Fiber Optic Modules	
HPMF-24SM	24F LC 9/125u SM module with 12Pcs adapter for hybrid panel
HPMF-24M3	24F LC 50/125u OM3 module with 12Pcs adapter for hybrid panel
HPMF-12SM	12F LC 9/125u G652D module with 6Pcs adapter for hybrid panel
HPMF-12M3	12F LC 50/125u OM3 module with 6Pcs adapter for hybrid panel
Fiber Optic Module Plates	
HPMF-E1	LC type fiber module plate without LC adapter for hybrid panel

Fiber Optic Patch Cord / Pigtail

Features

- Provide single-mode, multi-mode OM2, multi-mode OM3, multi-mode OM4 and other fiber types.
- All kinds of outer sheath materials are available: PVC, LSZH, OFNR, OFNP, etc.
- Meet standards ISO/IEC 11801, ANSI/TIA 568.3-D.
- Each product is 100% tested before delivery, and the test report is included in delivery.
- The typical attenuation value can reach 0.10dB.
- Individually packaged with uniquely identifiable serial number label for traceability.
- Length can be customized.

Ordering Information

Patch Cord /Pigtail	Fiber Type	-	Fiber Count	Connector L	Connector R	Cable Structure	Outer Sheath	-	Length
FJ: Fiber Jumper	GD: G652D A1: G657A1 A2: G657A2 B2: G657B2 B3: G657B3 M2: OM2 M3: OM3 M4: OM4 M5: OM5	-	01: 1F 02: 2F 04: 4F 06: 6F 08: 8F 12: 12F	LC: LC UPC SC: SC UPC FC: FC UPC ST: ST UPC MM: MPO Male MF: MPO Female TM: MTP Male TF: MTP Female LA: LC/APC SA: SC/APC FA: FC/APC	00: Blank, For Pigtail LC: LC UPC SC: SC UPC FC: FC UPC ST: ST UPC MM: MPO Male MF: MPO Female TM: MTP Male TF: MTP Female LA: LC/APC SA: SC/APC FA: FC/APC	1: 0.9mm tight-buffered cable 2: 2.0mm 3: 3.0mm 4: 2.0mm	1: PVC 2: LSZH 3: OFNR 4: OFNP 5: LSZH 60332-3C	-	0005: 0.5m 0010: 1m 0100: 10m

Fiber Optic Adapter

Features

- Adapter housing material: Composite plastic or nickel-plated metal
- Repeatability: ΔIL ≤ 0.2dB
- Interchangeability: ΔIL ≤ 0.1dB
- Insertion times: ≥ 1000 times

LC Duplex	MPO	ST

SC Simplex	SC Duplex	FC square flange	FC round flange

Ordering Information

Part Number	Description
FASM-2LC	Fiber Adapter, LC Duplex, SM
FAM3-2LC	Fiber Adapter, LC Duplex, OM3
FAM4-2LC	Fiber Adapter, LC Duplex, OM4
FASM-2LA	Fiber Adapter, LC/APC Duplex, SM
FASM-1SC	Fiber Adapter, SC Simplex, SM
FAM3-1SC	Fiber Adapter, SC Simplex, OM3
FAM4-1SC	Fiber Adapter, SC Simplex, OM4
FASM-1SA	Fiber Adapter, SC/APC Simplex, SM
FASM-2SC	Fiber Adapter, SC Simplex, SM
FAM3-2SC	Fiber Adapter, SC Simplex, OM3
FAM4-2SC	Fiber Adapter, SC Simplex, OM4
FASM-2SA	Fiber Adapter, SC/APC Simplex, SM
FASM-1ST	Fiber Adapter, ST Simplex, SM
FAMM-1ST	Fiber Adapter, ST Simplex, MM
FASM-1FCS	Fiber Adapter, FC Simplex, SM
FAMM-1FCS	Fiber Adapter, FC Simplex, MM
FASM-1FCR	Fiber Adapter, FC Simplex, SM
FAMM-1FCR	Fiber Adapter, FC Simplex, MM
FASM-1PA	Fiber Adapter, MPO Type A,Simplex,SM
FASM-1PB	Fiber Adapter, MPO Type B,Simplex,SM
FAM3-1PA	Fiber Adapter, MPO Type A,Simplex,OM3
FAM3-1PB	Fiber Adapter, MPO Type B,Simplex,OM3
FAM4-1PA	Fiber Adapter, MPO Type A,Simplex,OM4
FAM4-1PB	Fiber Adapter, MPO Type B,Simplex,OM4

Recommended configuration for typical Copper Cabling system solutions

Recommended configuration of single-mode indoor fiber cabling system solutions:

Part Number	Description
FC01-GD2012	Cable, Indoor, Tight Buffer Distribution Cable,12F,G652D,LSZH
FC01-GD2024	Cable, Indoor, Tight Buffer Distribution Cable,24F,G652D,LSZH
FP11-241-E	Patch Panel, Fixed,24-Port/1U, SC/LCD Type, Empty
FJGD-02LCLC42-0030	Patch cord, Duplex, LC-LC, G652D,2 × 2.0mm, LSZH,3m
FJGD-01LC0012-0010	Pigtail, LC, G652D, LSZH,1m
FASM-2LC	Adapter, LC Duplex, SM

Recommended configuration of OM3 multi-mode indoor fiber cabling system solution:

Part Number	Description
FC01-M32012	Cable, Indoor, Tight Buffer Distribution Cable,12F, OM3, LSZH
FC01-M32024	Cable, Indoor, Tight Buffer Distribution Cable,24F, OM3, LSZH
FP11-241-E	Patch Panel, Fixed,24-Port/1U, SC/LCD Type, Empty
FJM3-02LCLC42-0030	Patch cord, Duplex, LC-LC, OM3,2 × 2.0mm, LSZH,3m
FJM3-01LC0012-0010	Pigtail, LC, OM3, LSZH,1m
FAM3-2LC	Adapter, LC Duplex, OM3

Recommended configuration of OM4 multi-mode indoor fiber cabling system solution:

Part Number	Description
FC01-M42012	Cable, Indoor, Tight Buffer Distribution Cable,24F, OM4, LSZH
FC01-M42024	Cable, Indoor, Tight Buffer Distribution Cable,24F, OM4, LSZH
FP11-241-E	Patch Panel, Fixed,24-Port/1U, SC/LCD Type, Empty
FJM4-02LCLC42-0030	Patch cord, Duplex, LC-LC, OM4,2 × 2.0mm, LSZH,3m
FJM4-01LC0012-0010	Pigtail, LC, OM4, LSZH,1m
FAM4-2LC	Adapter, LC Duplex, OM4

Intelligent Cabling System

- PROSE Intelligent cabling system (ICS) serves as a centralized management for network cabling, facilitating efficient cable organization and management, and enables real-time monitoring of cable connections, enhancing network visibility and simplifying troubleshooting processes.

- PROSE ICS empower administrators to remotely manage and configure cable connections and widely employed in data centers, enterprises and various environments that demand sophisticated network infrastructure management.

- PROSE ICS supports asset management, including all cabling products such as patch panels and cabinets, and IT equipment such as switches and servers.

- PROSE self-defined communication protocol enable the communication distance up to 1 KM and high- speed detecting of large amounts of ports within 2 sec.

- ICS monitoring links do not occupy ports on the production network to reduce switch port occupation. Out-of-band management improves network security.

- PROSE ICS is mainly composed of several parts: Master Unit, Extension Unit, Copper Inter/ Cross Scanner, Fiber Inter/Cross Scanner, Copper and Fiber Intelligent Patch Cord, etc.

ICS Master Unit

Features

- Can connect 24 groups of expansion units, using ordinary 8-core twisted pair cable connection (RJ45 interface).
- Can collect the port information of each expansion unit and its subordinate scanning unit.
- Can analyze and process the information of each port of the distribution frame system in real time, including equipment status, jumper connection status, etc.
- Provide standard Ethernet network interface, using standard network cables, better stability and durability.

Ordering Information

Part Number	Description
NMU-G4-01	Master Unit, PROSE-IV series, with IPC

ICS Extension Unit

Features

- Up to 24 electronic distribution frames can be connected and managed.
- The information, working status and physical address of each port of the distribution frame can be collected.
- The information of each port can be analyzed and uploaded to the management software in real time.
- Provide standard Ethernet network interface.
- Ordinary 8-core twisted pair cable connection (RJ45 port), no special cable.

Ordering Information

Part Number	Description
NEU-G4-01	Extension Unit, PROSE-IV series, for Inter-connect and Cross-connect

ICS Copper Scanner Patch Panel

Features

- Support 24 replaceable RJ45 module ports at the height of 1U;
- Support Cat5, Cat5e, Cat6 and other shielded or non-shielded wiring system;
- The use of ordinary 8-pin standard RJ45 structure plus two copper needle structure;
- The rear with cable rack, convenient cable management;
- Each RJ45 port above the LED indicator light, used to guide the jumper;
- Support T568A and T568B connection mode.

Ordering Information

Part Number	Description
NCP60-111-113	Copper Scanner Patch Panel, Cat6, Unshielded, 1U 24P, 24 module, for Inter-connection
NCP60-111-114	Copper Scanner Patch Panel, Cat6, Unshielded, 1U 24P, 24 module, for Cross-connection
NCP6A-111-113	Copper Scanner Patch Panel, Cat6A, Unshielded, 1U 24P, 24 module, for Inter-connection
NCP6A-111-114	Copper Scanner Patch Panel, Cat6A, Unshielded, 1U 24P, 24 module, for Cross-connection

ICS Fiber Scanner Patch Panel

Features

- Support 24pcs replaceable fiber adapter at the height of 1U;
- Support single-mode or multi-mode fiber adapter;
- Standard optical fiber connector structure plus two copper needle structure;
- The removable top cover facilitates routine maintenance;
- Each port has an LED indicator to guide the connection and disconnection.

Ordering Information

Part Number	Description
NFP11-241-LCGD13	Fiber Scanner Patch Panel, Fixed,1U 24P, with SM LCD Adapter & Pigtail, for Inter-connection, full load
NFP11-241-LCM313	Fiber Scanner Patch Panel, Fixed,1U 24P, with OM3 LCD Adapter & Pigtail, for Inter-connection, full load
NFP11-241-LCGD14	Fiber Scanner Patch Panel, Fixed,1U 24P, with SM LCD Adapter & Pigtail, for Cross-connection, full load
NFP11-241-LCM314	Fiber Scanner Patch Panel, Fixed,1U 24P, with OM3 LCD Adapter & Pigtail, for Cross-connection, full load

ICS Intelligent Copper Patch Cord

Features

- Ordinary 8-pin standard RJ45 structure plus two Copper needle structure;
- Support Cat5e, Cat6, Cat6A and shielded or unshielded jumpers;
- Support any Cat5e, Cat6, Cat6A and shielded or unshielded RJ45 module.

Ordering Information

Part Number	Description
NCJ60-114-1HGY3	Copper Patch Cord, Inter-connection, Cat6, UTP,24AWG, PVC, Grey, 0.5m
NCJ60-114-11GY3	Copper Patch Cord, Inter-connection, Cat6, UTP,24AWG, PVC, Grey, 1m
NCJ60-114-12GY3	Copper Patch Cord, Inter-connection, Cat6, UTP,24AWG, PVC, Grey, 2m
NCJ60-115-1HGY4	Copper Patch Cord, Cross-connection, Cat6, UTP,24AWG, PVC, Grey, 0.5m
NCJ60-115-11GY4	Copper Patch Cord, Cross-connection, Cat6, UTP,24AWG, PVC, Grey, 1m
NCJ60-115-12GY4	Copper Patch Cord, Cross-connection, Cat6, UTP,24AWG, PVC, Grey, 2m

ICS Intelligent Fiber Patch Cord

Features

- Standard fiber optic connector structure and two copper needle;
- Support single-mode and multi-mode, length can be customized;
- Support LC duplex adapter and SC simplex adapter.

Ordering Information

Part Number	Description
NFJ-GD02LCLC623-0010	Fiber Patch cord, Duplex, LC-LC, SM G652D, LSZH, for inter-connection, 1m
NFJ-M302LCLC623-0010	Fiber Patch cord, Duplex, LC-LC, MM OM3, LSZH, for inter-connection, 1m
NFJ-M402LCLC623-0010	Fiber Patch cord, Duplex, LC-LC, MM OM4, LSZH, for inter-connection, 1m
NFJ-GD02LCLC624-0010	Fiber Patch cord, Duplex, LC-LC, SM G652D, LSZH, for cross-connection, 1m
NFJ-M302LCLC624-0010	Fiber Patch cord, Duplex, LC-LC, MM OM3, LSZH, for cross-connection, 1m
NFJ-M402LCLC624-0010	Fiber Patch cord, Duplex, LC-LC, MM OM4, LSZH, for cross-connection, 1m

ICS Software

Features

- Port Detection and Management:
- Capable of connecting and managing up to 13824 points, with rapid 2-second detection of the status of any port.
- Real-time monitoring and fast fault diagnosis capabilities, providing accurate fault localization and swift response.
- Proprietary Intellectual Property and Patent Innovations:
- Possessing unique technological advantages and differentiated features, ensuring outstanding performance and stability.
- Providing reliable solutions to meet customized customer requirements, enhancing competitiveness.
- Three-layer Architecture Design:
- Structure comprising a host, extension unit, and scanning unit, supporting flexible expansion and upgrade options.
- Each host can expand up to 24 extension units, and each management unit can further expand up to 24 scanning units, catering to different scales and user needs.
- Multiple Patch Panel Units:
- Including inter-connection copper patch panels, cross-connection copper patch panels, 48-core fiber patch panels, and 96-core fiber patch panels, meeting diverse media connectivity needs.
- Flexible and adjustable patch panel unit design, facilitating quick configuration and management.
- 5.High Level of Intelligence:
- Remote configuration, monitoring, and management support, enabling batch patching, fault localization, and remote control for improved efficiency.
- Intelligent recognition and batch patching functions, simplifying maintenance operations and reducing human errors.

Ordering Information

Part Number	Description
ICS2-002-01	ICS2-002-01 ICS software of cabling management system (1-2000 ports)
ICS2-002-02	ICS2-002-02 ICS software of cabling management system (2001-5000 ports)
ICS2-002-03	ICS2-002-03 ICS software of cabling management system (over 5001 ports)

Cabinet & Cable Management Panel & PDU

- PROSE can also provide supporting accessory systems such as Wall-mounted Cabinet, Cabinet, PDU, Cable Management Panel, etc.

- Server Cabinet and Network Cabinet are optional. Mechanical locks and intelligent locks can be configured flexibly to meet the needs of different applications. Its static loading capacity can meet the requirements of 2000kg, seismic test can reach the highest level of rated 8~9 with test report and certificates of the authoritative 3rd party.

- PDU includes standard PDU, intelligent PDU, and monitoring intelligent PDU to meet different requirements of customers.

Wall-mounted Cabinet

Profile/Outline

Wall-mounted cabinets are designed to save floor space while providing an economical way to protect network equipment from dust, unauthorized tampering, and other potential hazards. They feature excellent cable management capabilities, easy access from the rear, and come with fully adjustable mounting rail systems suitable for a variety of applications. Depending on the specific usage scenario, PROSE offers split-type wall-mounted cabinets with a weight capacity of 80kg to meet customers' varying needs in terms of cost, space utilization, and portability.

Wall-mounted cabinet (Glass door)   Wall-mounted cabinet (Mesh door)

Name Coding

WRX0 - XX X XX - XXX - X X - X X XX
          ① ② ③   ④   ⑤ ⑥   ⑦ ⑧ ⑨

Category	① Height	② Width	③ Depth	④ Front Door
WR80:WR80 series WR60:WR60 series	04:4U 06:6U 09:9U 12:12U 15:15U 18:18U 22:22U	6: 600mm 8: 800mm	45: 450mm 50: 500mm 55: 550mm 60: 600mm	000: None SSR: Single & Steel & Round lock SGR: Single & Glass & Round lock SMR: Single & Mesh & Round lock SSH: Single & Steel & Handle Lock SGH: Single & Glass & Handle Lock SMH: Single & Mesh & Handle Lock SGY: Single & Glass & Silver Handle Lock& orange Decorative strip

⑤ Side Door	⑥ PDU	⑦ Color	⑧ Packaging	⑨ Accessory
0: Without 1: Toolless type& without lock 2: Screw fixed 3: Toolless & Round lock	0: without 1:6port UK with on/off switch,1.5m cable 2.6port UK with on/off switch,2.0m cable	B: RAL9005(Black) G: RAL7035(Grey)	D: Detachable L: Integral	00: None 01: 1*Fixed Tray 02: 1*Guide Rail

Note: The above product information is the default information and can be customized according to customers.

Server / Network Cabinet

Profile/Outline

To adapt to different application scenarios, PROSE provides many types of server and network cabinet, to meet the different needs of customers in cost, use space, portability and other aspects.

Network cabinet front
(Glass door)

Network cabinet rear
(Mesh door)

Server cabinet front
(Mesh door)

Server cabinet rear
(Mesh door)

Name Coding

NCAXX0/SCCXX0 - XX X XXX - XX XX X - X X X X X
    ① ② ③ ④ ⑤ ⑥ ⑦⑧⑨⑩⑪

Cabinet Type	① Height	② Width	③ Depth	④ Front Door
NCA50: Network Cabinet 50 series NCA80: Network Cabinet 80 series NCA100: Network Cabinet 100 series SCC120: Server Cabinet 120 series SCC150: Server Cabinet 150 series SCC220: Server Cabinet 220 series	22:22U 27:27U 32:32U 37:37U 42:42U 47:47U	6: 600mm 8: 800mm	060: 600mm 080: 800mm 090: 900mm 100: 1000mm 110: 1100mm 120: 1200mm	00: None SS: Single steel door SG: Single glass door SM: Single mesh door

⑤ Rear Door	⑥ Side Door	⑦ Fan	⑧ Packaging	⑨ Color
00: None SS: Single steel door SG: Single glass door SM: Single mesh door DS: Double steel door DG: Double glass DM: Double mesh door SV: Single Ventilated Glass Door SA: Single arc-shaped glass door DV: Double open flat vented rear door with MS818 handle lock	0: None 1: 1 side Standard (Toolless) type 2: 2 side Standard (Toolless) type 3: 1 side Standard(toolless) type with inner lock 4: 2 side Standard(toolless) type with inner lock 5: 1 side Screw fixed door 6: 2 side screw fixed door 7: 1 side mesh side door 8 :2 side mesh side door 9: 2side Standard(toolless) type with universal lock	0: None 2: 2pcs 4: 4pcs 6: 6pcs	D: Detachable I: Integral	B: RAL9005(Black) G: RAL7035(Grey)

⑩ PDU	⑪ Accessory			
0: without 1:6port UK13A with rocker switch 2.6port EU10A with rocker switch 3.6port Indian type D 16A with rocker switch 4:6port New GB10A with rocker switch 5.6port Universal 10A with rocker switch 6.6port C13 with rocker switch 7.6port C19 with rocker switch 8.6port NEMA16A with rocker switch	0: None 1: 1*Fixed Tray 2: 1pair*Guide Rail 3: 2*Fixed Tray			

PDU

Standard type   Intelligent type   Intelligent monitoring type

Socket Type

GB1002 10A GB1002 16A IEC320 C13 IEC320 C19

USA 15A USA 20A GER 16A UK 13A

Plug Type

GB1002 10A GB1002 16A IEC320 C14 IEC320 C20

GRE 16A UK 13A USA 15A USA 20A

IEC60309 16A/32A IEC60309 32A 380V 3P+N+E

Ordering Information

PU X X- X X X X- X X X
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

① Category	② Type	③ Power Input	④ Socket Qty	⑤ Socket Type
PU: PDU	1: Standard 2: Intelligent Basic 3: Intelligent Moniterning	1: 220VAC/16A 2: 220VAC/32A 3: 110VAC/16A 4: 110VAC/32A Input 5: 380VAC/32A (3P+N+E) 6: 220VAC/10A 7: 250VAC/13A	1: 12 ports 2: 24 ports 3: 18 ports 4: 42 ports 5: 5 ports 6: 6 ports 7: 30 ports 8: 8 ports 9: 7 ports A: 16 ports	1: GB1002/10A 2: GB1002/16A 3: IEC320 C13, 10A 4: IEC320 C19, 16A 5: IEC320 8 × C13/10A+4 × C19/16A 6: IEC320 20 × C13/10A+4 × C19/16A 7: IEC320 14 × C13/10A+4 × C19/16A 8: IEC320 18 × C13/10A+6 × C19/16A 9: IEC320 36 × C13/10A+6 × C19/16A A: IEC320 24 × C13/10A+6 × C19/16A B: IEC320 20 × C13/16A+4 × C19/16A C: UK 13A D: IEC320 10 × C13 with lock, 2 × C19 with lock

⑥ Functional Module	⑦ Color	⑧ Input Plug	⑨ Cable Length	⑩ Special Feature
0: Null 1: Lightning Protection 2: Hot Plug Tester 3: Intelligent Tester 4: Lightning Protection/ Hot PlugTester 5: Lightning Protection/ Hot Plug Tester/ Intelligent Tester 6: switch 7: Air switch	1: Black 2: Yellow	0: Null 1: GB1002/10A 2: GB1002/16A 3: IEC320 C14 4: IEC320 C20 5: UK, BS1363 6: GER DIN49441 7: USA NEMA5-15P 8: USA NEMA5-20P 9: EPIC 16A A: EPIC 32A B: EPIC 63A	0: 0m 1: 1m 2: 2m 3: 3m	H: Horizontal 19'' V: Vertical

Cable Management Panel

Features

- PROSE cable management panels are standard 19" rack-mounted, used for managing the patch cords.
- Material: Metal and plastic are optional.
- Height: 1U and 2U are optional.

Standard Type

110-type, plastic

Ordering Information

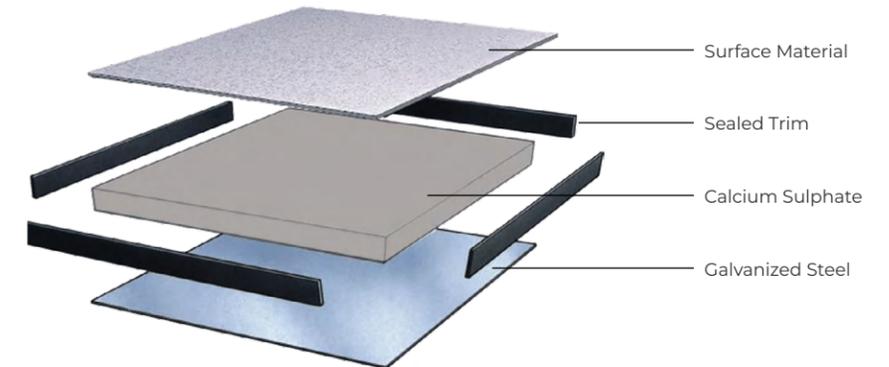| Part Number	Description
CM10-111-1U	Cable Management Panel, 1HU, Metal, Black
CM20-231-1U	Cable Management Panel, 1HU, Plastic, for 110 Voice Patch Panel
CM10-211-1U	Cable Management,1U, ABS, Black

Raised Floor

Features

- High Density Calcium sulphate core encapsulated with high-quality galvanized steel, panel surface can be laminated with HPL/conductive PVC, bottom with high-quality galvanized steel, four sides with ABS sealing.

Product Property

Panel weight: 10-22kgs/pc
Panel thickness: 25-40mm
EN12825 dimension tolerance: 1
EN13501: Class A1
EN1366-6 Fire rating: 2 hours
ASTM E492-09: IICSS
ASTM E283-04 25Pa:≤0.3L/S·m2
NIOSH9002: Asbestos-free
QBIT 2591-2003: Antibacterial
LEED assessment report available

Surface Material
Sealed Trim
Calcium Sulphate
Galvanized Steel

Ordering Information

Part Number	Description
RFR-CAF-800	Raised Floor, Calcium sulphate, 500x500/600x600/610x610, Concent rated≥3600N
RFR-CAF-1000	Raised Floor, Calcium sulphate, 500x500/600x600/610x610, Concent rated≥4500N
RFR-CAF-1250	Raised Floor, Calcium sulphate, 500x500/600x600/610x610, Concent rated≥5600N

Buried Cable Marker Ball

Profile/Outline

PROSE Marker Ball electronic identifier uses low-frequency RFID identification technology, which is dormant when it is not working, and relies on external devices to provide energy to wake up when it is working. The identifier has a unique ID code as the identity of the buried underground facility. Accurately locate, find, identify and manage underground facilities, and help establish digital information data for underground facilities. The digital management of underground asset facilities is realized by means of underground electronic identification and software system.

Marker Ball for Fiber Cable, 92.0kHz

Marker Ball for Communication Cable, 101.4kHZ

Ordering Information

Item	Parameter
Frequency	92.0kHz / 101.4kHz
Diameter	110mm
Weight	400g
Maximum detection depth	1.5m
Recommended Bury depth	≤1.2m
ID Read depth	1.3m
Operating temperature	-25°C~55°C
Ingress Protection level	IP68

Ordering Information

Part Number	Description
DWMB-ED-1500-FC9200	Marker ball for Buried Optic Fiber Cable, 92.9 kHz
DWMB-ED-1500-CC1014	Marker ball for Buried Communication Cable, 101.4 kHz

PROSE Service

PROSE 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.

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

GLOBAL FOOTPRINT
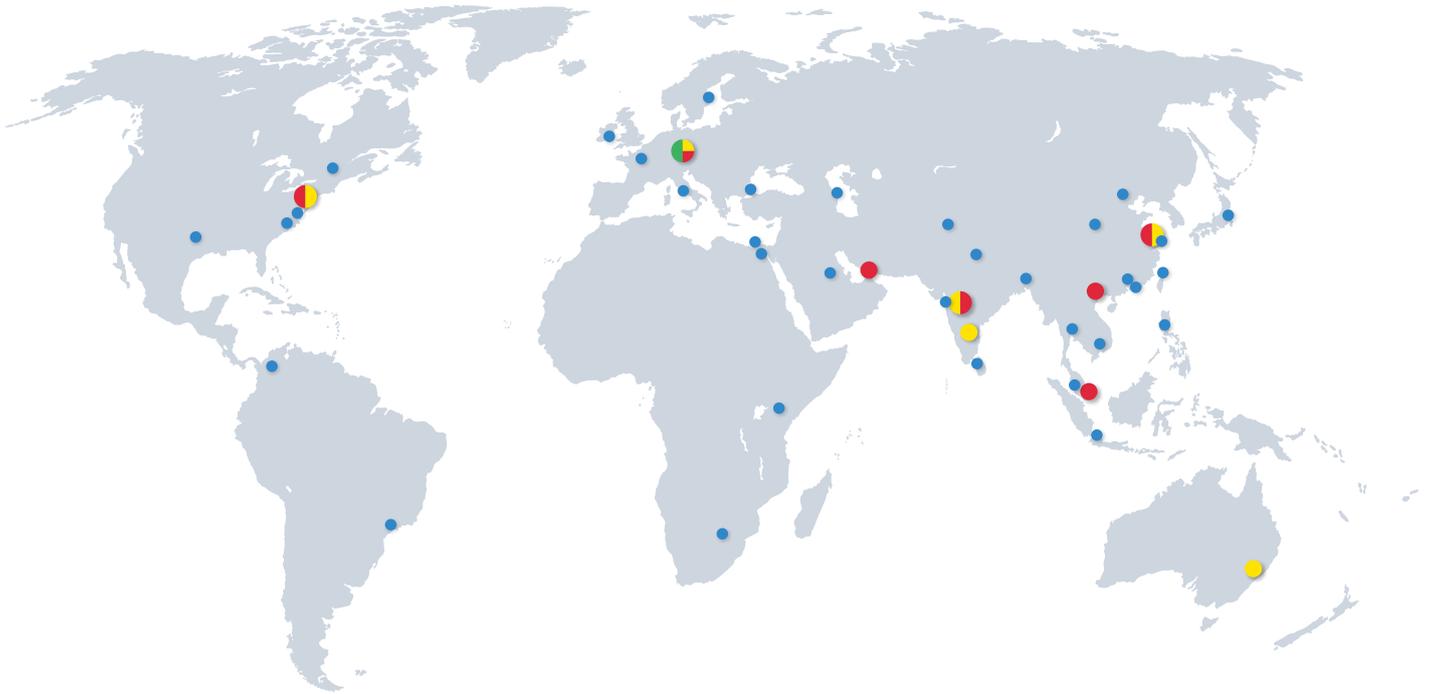
- ● HQ
- ● PRODUCTION / OPERATIONAL HUB
- ● R&D CENTER
- ● SUBSIDIARIES / SALES REPRESENTATIVES

For more information refer to our website:
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