



Product: [PPRO PC 10GX STP LSZH](#)

PatchPro RJ45 Patch Cord, 10GX, S/FTP LSZH

Product Description

PatchPro RJ45 Patch Cord, 10GX, S/FTP, 26AWG, LSZH/FRNC with RFID Tag for Intelligent Physical Layer Management (IPLM) System

Technical Specifications

Product Overview

Suitable Applications:	Horizontal and building cabling for Intelligent (RFID based) Patching. Support current and future Category 6a and 6 applications, such as: 10GBase-T (10 Gigabit Ethernet), 1000Base-T (Gigabit Ethernet), 100 Base-T, 10 Base-T, FDDI, ATM
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Nominal Diameter	No. of Pairs
26	Stranded	6.1 mm	4

Total Number of Pairs:	4
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Insulation

Material
PE - Polyethylene (Foam)

Inner Shield

Element	Type	Material
Individual Shielded Pair	Tape	Bi-Laminate (Alum+Poly)

Outer Shield

Type	Material	Coverage [%]
Braid	Tinned Copper (TC)	30%

Outer Jacket

Material	Nominal Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.1 mm

Wiring Scheme:	T568A/B-T568A/B
Packaging:	Individually packaged in a clear plastic bag.

Connectors

Materials

Description	Material	Type
Plug	Polycarbonate	RJ45
Boot	LSZH	Snagless
Front Connection	Phosphor Bronze with 50u inch Gold over Nickel Plating	Blades
RFID Transponder	13.56 MHz read/write, Factory programmed unique cord ID, According to ISO 15693	

Electrical Characteristics

Dielectric Strength:	2.5 kV DC
Current Rating:	1 A

Insulation Resistance:	5000 MOhm*km
Max Contact Resistance:	20 mOhm

Voltage

Voltage Rating [V]
72 V DC

Performance Footnote1:	ISO/IEC 11801-1:2017
Performance Footnote2:	The performance data below 4Mhz or above 500Mhz are for information only.

Temperature Range

Installation Temperature Range:	0°C To +50°C
Operating Temperature Range:	-20°C to +60°C

Mechanical Characteristics

Min Bend Radius (Overall Cable):	25 mm
Plug /Jack Compatibility:	RJ45

Termination Interface

Termination	Connection	Durabilities
RJ45	Mated Connection	750 Cycles

Standards

ISO/IEC Compliance:	ISO/IEC 11801-1
Data Category:	Category 6A
TIA/EIA Compliance:	ISO/IEC 11801-1:2017; EN 50173-1 Amd 1 Caregory 6A; ANSI/TIA/EIA 568 C.2 Category 6A

Applicable Environmental and Other Programs

Environmental Space:	Indoor Rated (Not Riser or Plenum)
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Suitability

Suitability - Indoor:	Yes
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Related Part Numbers

Related Parts:	PatchPro Connectivity, PPRO PP 1U 24P 10GX JACK STP
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Variants

Item #	Color	Length
PPCPAF.00001	Black	1 m
PPCPAF.00002	Black	2 m
PPCPAF.06001	Blue	1 m
PPCPAF.06002	Blue	2 m
PPCPAF.06003	Blue	3 m
PPCPAF.06005	Blue	5 m
PPCPAF.06010	Blue	10 m
PPCPAF.08002	Gray	2 m
PPCPAF.05002	Green	2 m
PPCPAF.05001	Green	1 m
PPCPAF.03002	Orange	2 m
PPCPAF.07002	Purple	2 m
PPCPAF.02002	Red	2 m
PPCPAF.02001	Red	1 m
PPCPAF.09002	White	2 m
PPCPAF.04002	Yellow	2 m

History

Update and Revision:	Revision Number: 0.86 Revision Date: 08-12-2024
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