



Product: [10GX S/FTP LSZH PRE-TERM 6](#)

10GX Copper Pre-Term 6x S/FTP LSZH

Product Description

10GX Copper Pre-Term 6x S/FTP LSZH

Technical Specifications

Product Overview

Suitable Applications:	Horizontal and building cabling. 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	No. of Pairs
26	Stranded	4

Total Number of Pairs: 24

Insulation

Material
PE - Polyethylene (Foam)

Inner Shield

Element	Material
Shielded Pair(s)	Bi-Laminate (Alum+Poly)

Outer Shield

Material	Coverage [%]
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 paper based carton with test report inside

Connectors

Materials

Description	Material
Plug	Polycarbonate
Boot	LSZH
Front Connection	Phosphor Bronze with 50u inch Gold over Nickel Plating

Electrical Characteristics

Dielectric Strength:	2.5 kV DC
Current Rating:	1 A
Insulation Resistance:	5000 MOhm*km

Max Contact Resistance:	20 mOhm
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Temperature Range

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

Mechanical Characteristics

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

Termination Interface

Connection	Durabilities
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 Category 6A; ANSI/TIA/EIA 568 C.2 Category 6A

Applicable Environmental and Other Programs

Environmental Space:	Indoor Rated (Not Riser or Plenum)
EU Directive 2002/95/EC (RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Related Part Numbers

Related Parts:	10GX Shielded Modular Jacks, 10GX shielded Patch Panels
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Variants

Item #	Color	Length
CAE4100020MA06	Black	20 m
CAE4100005MA06	Black	5 m
CAE4100010MA06	Black	10 m
CAE4100015MA06	Black	15 m
CAE4100025MA06	Black	25 m
CAE4100030MA06	Black	30 m
CAE4100035MA06	Black	35 m
CAE4100045MA06	Black	40 m
CAE4100050MA06	Black	45 m
CAE4106005MA06	Blue	50 m
CAE4109005MA06	White	5 m

History

Update and Revision:	Revision Number: 0.94 Revision Date: 08-12-2024
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