Product: 10GX UTP LSZH PRE-TERM 6

10GX Copper Pre-Term 6x UTP LSZH

Product Description

10GX Copper Pre-Term 6x UTP 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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Nominal Diameter	No. of Pairs
26	Stranded	18	4

Conductor Count:	48
Total Number of Pairs:	24

Insulation

Material
PE - Polyethylene (Foam)

Inner Shield

Material
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 paper based carton with test report inside

Connectors

Materials

Description	Material	Type
Plug	Polycarbonate	RJ45
Boot	LSZH	Snagless
Front Connection	Phosphor Bronze with 50u inch Gold over Nickel Plating	Blades

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:	There is 1dB margin on NEXT and RL guaranteed compared to 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
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

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)
EU Directive 2002/95/EC (RoHS):	Yes

Suitability

Suitability - Indoor:	Yes

Related Part Numbers

Related Parts:	10GX UTP Modular Jacks, 10GX UTP Patch Panels

Variants

Item #	Color	Length
CA24100010MA06	Black	10 m
CA24100005MA06	Black	5 m
CA24100015MA06	Black	15 m
CA24100020MA06	Black	20 m
CA24100025MA06	Black	25 m
CA24100035MA06	Black	35 m
CA24100040MA06	Black	40 m
CA24100045MA06	Black	45 m
CA24100050MA06	Black	50 m
CA24106045MA06	Blue	45 m
CA24106065MA06	Blue	65 m
CA24108010MA06	Blue	10 m
CA24106005MA06	Blue	5 m
CA24109007MA06	White	7 m
CA24109008MA06	White	8 m
CA24109009MA06	White	9 m
CA24109010MA06	White	10 m
CA24109013MA06	White	13 m

History

Update and Revision:	Revision Number: 0.86 Revision Date: 11-14-2022

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