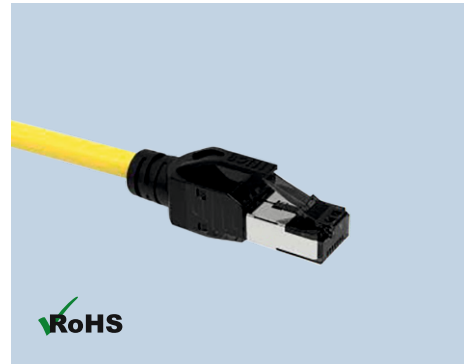


CATEGORY 8 S/FTP PATCH CORD

Norden Category 8 S/FTP patch cords are manufactured using stranded bare copper and feature cable strain relief boots with a plug latch protection cap. This patch cord is mainly used in Telephone and other communication circuits such as voice, data, and audio for on-premises customer systems. Each patch cord is tested with Fluke tester and individual cover included with the report. Norden Category 8 Patch cord is tested for transmission frequencies of up to 2000 MHz.



COMPLIANCE

ANSI/TIA-568.2-D

ISO / IEC TR 11801-9901 : 2014 Category 8.

IEEE 802.3af PoE, IEEE 802.3bt Type 4 and IEEE 802.3at PoE+ applications.

DESIGN & MATERIALS

Basic Cable Conductor	Stranded Bare Copper
Conductor Size	26 AWG 7x0.156(±0.003mm)
Wire Insulation	SFS PE
Insulation Diameter	1.06±0.02mm
Individual Pair Shield	Polyester/Aluminium Foil
Overall Shield	Tinned Copper, Braid
Braid Coverage	Min 30% Coverage
Outer Jacket Thickness	0.55mm
Outer Diameter	5.9±0.2mm
Number Of Insulated Conductors	8
Colour Code of Pairs	Blue x White, Orange x White, Green x White, Brown x White
Jacket And Boot Colour	Per Requirement
Standard Surface Marking	Includes Norden P/N, Cable Description.

ELECTRICAL DATA

Characteristic Impedance	100±5Ω
Transfer Impedance	Max. 100 mΩ/m at 100MHz
DC Resistance	Max. 14.0 Ω/100m
DC Resistance Unbalance	Max. 2% Within a pair at 20°C
DC Resistance Unbalance Pair-Pair	Max. 5% at 20°C
Dielectric Strength	1kV DC/0.7kV AC for 1min. or 2.5kV DC/1.7kV AC for 2s
Insulation Resistance	5000MΩ/km
Capacitance Unbalance Pair-Ground	Max. 36pF/30m, 1kHz at 20°C
Coupling Attenuation	Min. 35dB at 1GHz
Phase Delay	Max. 536ns/100m at 2000MHz
Delay Skew	Max. 45ns/100m, from 4 to 2000MHz
Nominal Velocity Propagation	76.5% at 100MHz
PoE	60Vdc, 4PPoE 100W, IEEE802.3bt Type 4
Voltage Rating	300V

CATEGORY 8 S/FTP PATCH CORD

MECHANICAL & TRANSMISSION DATA

Bend Radius	4 x O.D
Installation Temperature	0°C to +50°C
Storage Temperature	-40°C to +60°C
Operating Temperature	-20°C to +60°C
Pulling Tension	Max. 100N

ELECTRICAL PERFORMANCE DATA

Frequency (Mhz)	Return loss Min. dB	Insertion loss Max. dB	NEXT Min. dB	PSNEXT Min. dB	ACRF Min. dB	PSACRF Min. dB	TCL Min.dB
1	19.4	0.8	77.0	74.0	78.0	75.0	40.0
4	23.0	1.7	66.3	63.3	67.0	64.0	40.0
100	22.2	8.3	45.3	42.3	39.0	36.0	20.0
250	19.4	13.4	39.3	36.3	31.0	28.0	14.0
500	17.3	19.2	34.8	31.8	25.0	22.0	9.5
600	16.8	21.2	33.6	30.6	23.4	20.4	8.3
1000	15.2	27.9	30.3	27.3	19.0	16.0	7.0
1500	14.0	34.7	27.7	24.7	15.5	12.5	7.0
2000	13.1	40.7	25.8	22.8	13.0	10.0	7.0

ORDERING INFORMATION

Part Number	Description	Length
NC32-T6501X	Category 8 S/FTP Patch Cord UV resistant LSZH 01m, AWG 26	1m
NC32-T6502X	Category 8 S/FTP Patch Cord UV resistant LSZH 02m, AWG 26	2m
NC32-T6503X	Category 8 S/FTP Patch Cord UV resistant LSZH 03m, AWG 26	3m
NC32-T6505X	Category 8 S/FTP Patch Cord UV resistant LSZH 05m, AWG 26	5m
NC32-T2501X	Category 8 S/FTP Patch Cord LSZH 01m, AWG 26	1m
NC32-T2502X	Category 8 S/FTP Patch Cord LSZH 02m, AWG 26	2m
NC32-T2503X	Category 8 S/FTP Patch Cord LSZH 03m, AWG 26	3m
NC32-T2505X	Category 8 S/FTP Patch Cord LSZH 05m, AWG 26	5m
NC32-T1501X	Category 8 S/FTP Patch Cord PVC 01m, AWG 26	1m
NC32-T1502X	Category 8 S/FTP Patch Cord PVC 02m, AWG 26	2m
NC32-T1503X	Category 8 S/FTP Patch Cord PVC 03m, AWG 26	3m
NC32-T1505X	Category 8 S/FTP Patch Cord PVC 05m, AWG 26	5m