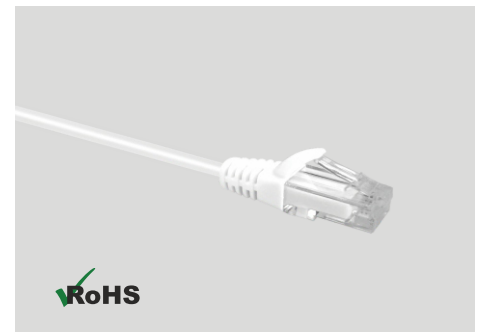


CATEGORY 6A S/FTP AL-MG BRAID SLIM PATCH CORD

Norden Category 6A S/FTP patch cords are manufactured using high quality shielded four pair Category 6A stranded cable, and feature cable strain relief boots with a plug latch protection cap. The overall Aluminium Magnesium Alloy wire shield provides EMI protection. This patch cord, when used with high performance Norden Category 6A connectivity (Solid shielded cable, patch panels and work area outlets), provides superior performance capabilities of high bandwidth (Gigabit 1000Base-T and 1000Base-Tx) applications support. This is fully backward compatible. Each patch cord is tested with Fluke tester and individual cover included with the report. Norden Category 6A Patch cord is tested for transmission frequencies of up to 500 MHz .



COMPLIANCE

IEEE 802.af and IEEE 802.3at for PoE applications
IEEE 802.3an-2006, and ISO 11801 Class EA channel standards
IEC 60603-7, ISO/IEC-11801, EN 50575
ANSI/TIA-968-A,ANSI/TIA-568-C.2 Category 6A

DESIGN & MATERIALS

Basic Cable Conductor	Stranded Bare Copper
Conductor Size	28 AWG, 7/0.12
Insulation Material	PE
Number Of Insulated Conductors	8
Colour Code Of Pairs	Blue x White, Orange x White, Green x White, Brown x White
Insulation Thickness	0.23 mm
Insulation Diameter	0.83 ± 0.08 mm
Individual Pair Shield	Aluminium/ Polyester Foil , ≥ 25%
Overall Braid Shield	Aluminium Magnesium Alloy wire
Braid Shield Coverage	≥ 40%
Drain Wire	Tinned Copper (1/0.40)
Modular Plug Housing Material	80 μ" Nickel Plated Brass, 94V-0
Modular Plug Contact Material	50 μ" Brass
Boot Material	PVC
Outer Jacket Material	LSZH / PVC
Jacket Thickness	0.50 mm
Jacket and Boot Colour	Per requirement
Standard Surface Marking	Includes Norden P/N, cable description
Cable O.D.	5.3 ± 0.3 mm
Minimum Bend Radius	8 x D
Installation Temperature	-20 °C to +75 °C
Wire Scheme	T568B



CATEGORY 6A S/FTP AL-MG BRAID SLIM PATCH CORD

ELECTRICAL DATA

Impedance @ 100MHz	100 ± 22Ω
Max. Conductor DC Resistance	237 Ω/km
Min. Insulation Resistance	5000 MΩ-KM
Resistance Unbalance between pairs	≤ 4%
Max Mutual Capacitance	5.6 nF/100m
Pair To Ground Capacitance Unbalance	≤ 330 Pf/100m
Delay Skew (1 – 250 MHz)	≤ 45 ns/100m
Voltage Rating	48 V
Dielectric Strength	DC-1KV/1 Min
Velocity of Propagation (NVP)	69%

MECHANICAL & TRANSMISSION DATA

Before Aging Tensile Strength	≥ 9 Mpa
Before Aging Elongation	≥ 100 %
After Aging Tensile Strength (100°C*24h*7d)	≥ 75%
After Aging Elongation	≥ 50 %
Max. Pulling Force	110 N

TRANSMISSION PERFORMANCE DATA

Freq. (MHz)	NEXT(dB) min.			RL(dB) min.
	2m cord	5m cord	10m cord	
1	65.0	65.0	65.0	21.0
4	65.0	65.0	65.0	21.6
8	65.0	65.0	64.2	22.5
10	65.0	64	62.3	22.8
16	61.7	60.1	58.5	23.4
20	59.8	58.2	56.7	23.7
25	57.9	56.4	55.0	24.0
31.25	56.0	54.5	53.2	23.0
62.5	50.1	48.8	47.8	20.0
100	46.2	45.1	44.2	18.0
200	40.5	39.7	39.2	15.0
250	38.7	38.0	37.6	14.0
350	35.0	34.8	34.8	11.8
450	32.2	32.3	32.6	10.2
500	31.0	31.3	31.7	9.5



CATEGORY 6A S/FTP AL-MG BRAID SLIM PATCH CORD

ORDERING INFORMATION

Part Number	Description	Length
127-01801X	Category 6A S/FTP AL-MG Braid Slim Patch Cord PVC 01m	1m
127-01802X	Category 6A S/FTP AL-MG Braid Slim Patch Cord PVC 02m	2m
127-01803X	Category 6A S/FTP AL-MG Braid Slim Patch Cord PVC 03m	3m
127-01805X	Category 6A S/FTP AL-MG Braid Slim Patch Cord PVC 05m	5m
127-01810X	Category 6A S/FTP AL-MG Braid Slim Patch Cord PVC 10m	10m
127-01815X	Category 6A S/FTP AL-MG Braid Slim Patch Cord PVC 15m	15m
127-01820X	Category 6A S/FTP AL-MG Braid Slim Patch Cord PVC 20m	20m
127-01825X	Category 6A S/FTP AL-MG Braid Slim Patch Cord PVC 25m	25m
127-01830X	Category 6A S/FTP AL-MG Braid Slim Patch Cord PVC 30m	30m
127-02801X	Category 6A S/FTP AL-MG Braid Slim Patch Cord LSZH 01m	1m
127-02802X	Category 6A S/FTP AL-MG Braid Slim Patch Cord LSZH 02m	2m
127-02803X	Category 6A S/FTP AL-MG Braid Slim Patch Cord LSZH 03m	3m
127-02805X	Category 6A S/FTP AL-MG Braid Slim Patch Cord LSZH 05m	5m
127-02810X	Category 6A S/FTP AL-MG Braid Slim Patch Cord LSZH 10m	10m
127-02815X	Category 6A S/FTP AL-MG Braid Slim Patch Cord LSZH 15m	15m
127-02820X	Category 6A S/FTP AL-MG Braid Slim Patch Cord LSZH 20m	20m
127-02825X	Category 6A S/FTP AL-MG Braid Slim Patch Cord LSZH 25m	25m
127-02830X	Category 6A S/FTP AL-MG Braid Slim Patch Cord LSZH 30m	30m

X: BK(Black), BL(Blue), GN(Green), GY(Gray), RD(Red), WH(White), YL(Yellow)