

Category 6A Shielded Patch Cords

These Patch cords are made of 4 Pairs of Multistrand Copper below the outer jacket. Construction made of LSZH (Low Smoke Zero Halogen) thermoplastic Jacket above the shield. These Patch cord assemblies are capable of delivering 10 Gigabit Ethernet speed at 500MHz frequency as defined in Category 6A standards.

The plug is designed with built-in strain relievers to prevent the cable from moving at the termination point, when the cable is flexed. The strain relievers also maintain proper bend radius. These innovations are designed to ensure maximum throughput at installations.



Standards

- ANSI/TIA-568.2-D
- ISO/IEC 11801: Class EA
- 10/100/1000Base-T/10GBase-T
- 155Mbps ATM
- Power over Ethernet (POE), UPOE, POE++

Construction

Conductor	Stranded Bare Copper
Nominal Conductor Diameter	26/7 AWG
Insulation	PE
Separator	PE Cross
Jacket	Low Smoke Zero Halogen
Jacket Diameter	6.0mm ± 0.30mm
Colour of Jacket	Grey, Blue
Drain Wire	Solid Tinned Copper
Shield	Aluminum Polyester
Plug and Boot Colour	Transparent
Plug Contact Gold Plating	50µ
Plug & Boot Housing	Polycarbonate UL94V-0
RJ45 Pinout	T-568B

Electrical Data

DC resistance at 20°C (max)	14.80Ω / 100m
DC resistance unbalance (max)	4%
Mutual capacitance at 20°C (max)	5.6nF / 100m
Capacitance Unbalance (max)	330PF/100m
Operating voltage (max)	250 V AC at 2 Amps
Delay Skew	536 nS /100m
Worse case cable skew	≤45 ns / 100m
Impedance (Ω)	100±15
Nominal velocity of propagation	69%
Dielectric Strength	0.5kV AC / 1.0kV DC

Environmental

Transport and storage	-20° to 75°C
Installation	4° to 50°C
Operation	-20° to 75°C

Compliances

Flammability	IEC 60332-1
Smoke density	IEC 61034
Acid gas	IEC 60754-1

How to Order

Description	Product Code
Category 6A Multistrand Shielded LSZH Straight Patch cord	545192-XXXX

X denotes Colour; 4 = Grey, 6 = Blue, 7 = Red, 8 = Yellow, 9 = Green
 YYY Denotes Length Decimeters

Colour (X)	Grey (4)	Blue (6)
Length (YYY)		
1mtr (010)	545192-4010	545192-6010
2mtr (020)	545192-4020	545192-6020
3mtr (030)	545192-4030	545192-6030

Other Lengths and colours are available upon request.

