

Category 6 Shielded Patch Cords

These Patch cords are made of Multistrand Twisted Pair Copper below the outer jacket. Construction made of LSZH (low smoke zero halogen) thermoplastic Jacket. Patch cord assemblies are available in Straight, Cross-over, Roll-over with both End RJ45 Male Connector Offering.

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
- 10/100/1000Base-T
- 155Mbps ATM
- Power over Ethernet (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, Red, Yellow, Green
Drain Wire	Solid Tinned Copper
Shield	Aluminum Polyester
Plug and Boot Colour	Transparent
Plug Contact Gold Plating	50μ
Plug & Boot Housing	Polycarbonate UL94V-0

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 6 Multistrand Shielded Twisted Pair LSZH Straight Patch cord	544192-XXXX

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

Colour (X)	Grey (4)	Blue (6)	Red (7)	Yellow (8)	Green (9)
0.5mtr (005)	544192-4005	544192-6005	544192-7005	544192-8005	544192-9005
1mtr (010)	544192-4010	544192-6010	544192-7010	544192-8010	544192-9010
2mtr (020)	544192-4020	544192-6020	544192-7020	544192-8020	544192-9020
3mtr (030)	544192-4030	544192-6030	544192-7030	544192-8030	544192-9030
5mtr (050)	544192-4050	544192-6050	544192-7050	544192-8050	544192-9050
10mtr (100)	544192-4100	544192-6100	544192-7100	544192-8100	544192-9100
20mtr (200)	544192-4200	544192-6200	544192-7200	544192-8200	544192-9200

Other Lengths and colours are available upon request.

