Ethernet Patch Cables

Cat6a STP Ethernet Patch Cables

Connectivity

Ethernet is a networking technology that includes the protocol, port, cable, and computer chip needed to interconnect intelligent devices on to a local area network.

RoHS

☑

RoHS Compliant

Designed for High-Speed Industrial Use

The noise interference radiated from electrical components that is often associated with factory floor environments can result in partial or complete data loss. This may result in delays or complete communication loss in extremely noisy environments.

Our Cat6a Ethernet patch cables have a tighter twist rate than Cat5e cables to reduce crosstalk. The Cat6a cables are further designed to reduce the effects of (EMI) electromagnetic interference by incorporating a foil shield around each twisted pair, plus a single metal foil shield that wraps around the entire set of 8 wires. The RJ45 connectors are also shielded against electrical interference and designed to be robust.
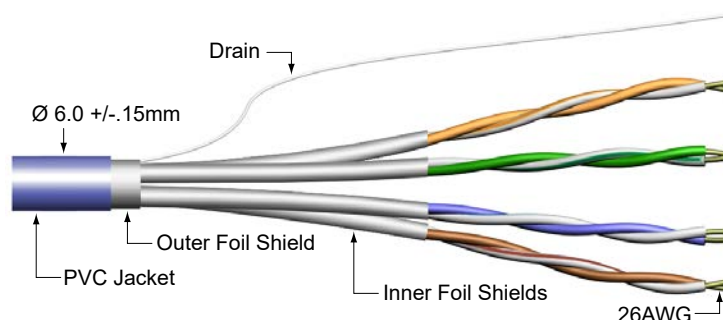
The cables comply with the PoE+ standard to deliver an enhanced 30W of power.

With several lengths to choose from at great pricing, these cables should help you in creating solid, reliable Ethernet networks with any application.

Features

- Up to 10Gbps transfer rate
- 30W Power over Ethernet (PoE+)
- Connector: 50-micron gold plated RJ45 male plugs
- Conductor: 4-pair 26 AWG stranded copper
- Foil shielded twisted pairs with overall foil shielded cable for industrial applications
- CM rated, suitable for general use other than plenum spaces
- RoHS compliant

Drain

Ø 6.0 +/-.15mm

Outer Foil Shield

PVC Jacket

Inner Foil Shields

26AWG

Cat6a Straight Through Patch Cables				
Part Number	**Color**	**Description**	**Length**	**Price**
C6A-STPBL-S3	Blue	AutomationDirect Cat6a Ethernet straight-through patch cable, STP (overall foil shield), RJ45 male to RJ45 male. For use with 10/100/1000/10000 Mbps networks.	3' [0.91 m]	$9.00
C6A-STPBL-S7			7' [2.13 m]	$13.50
C6A-STPBL-S10			10' [3.05 m]	$17.00
C6A-STPBL-S14			14' [4.3 m]	$21.50

Cat6a Cable Specifications	
Transfer Parameters	Cat6a
Transfer Rate	Up to 10 Gbit/s full duplex
Temperature Range	Bare cable temperature rating is 75°C
Protection Degree	RJ45 connector: IP20
Outer Diameter	6.0 mm ±0.2 mm
Bend Radius	60mm (10 x outer diameter)
Connection	Shielded RJ45 plug
Wire Material	Stranded copper
Approvals	Bare cable is cULus Recognized (file number E515747)

Patch (Straight-through) Cable

1	OR/WHT — OR/WHT	1
2	OR — OR	2
3	GRN/WHT — GRN/WHT	3
4	BLU — BLU	4
5	BLU/WHT — BLU/WHT	5
6	GRN — GRN	6
7	BRN/WHT — BRN/WHT	7
8	DRAIN — DRAIN	8

shield

RJ45   shield   RJ45

1 2 3 4 5 6 7 8

8-pin RJ45 Connector (8P8C)