

Products

Category 6 patch cord for eco-LAN

Outline

This is a high performance patch cord that uses category 6 plugs and employs twisted wire conductors, TIA/EIA standard core identification, and a twisted pair configuration. It uses polyethylene insulation and has a non-halogen flame retardant polyethylene sheath.



This cable conforms to the RoHS standard.

Applications

This is an environmentally friendly high-speed LAN cable that supports Gigabit Ethernet. It can be used for making patch panel connections in MDF and/or IDF, and also making connections between outlets and terminal equipment.

Standard

TIA/EIA-568-B, 2-1

Item name symbol

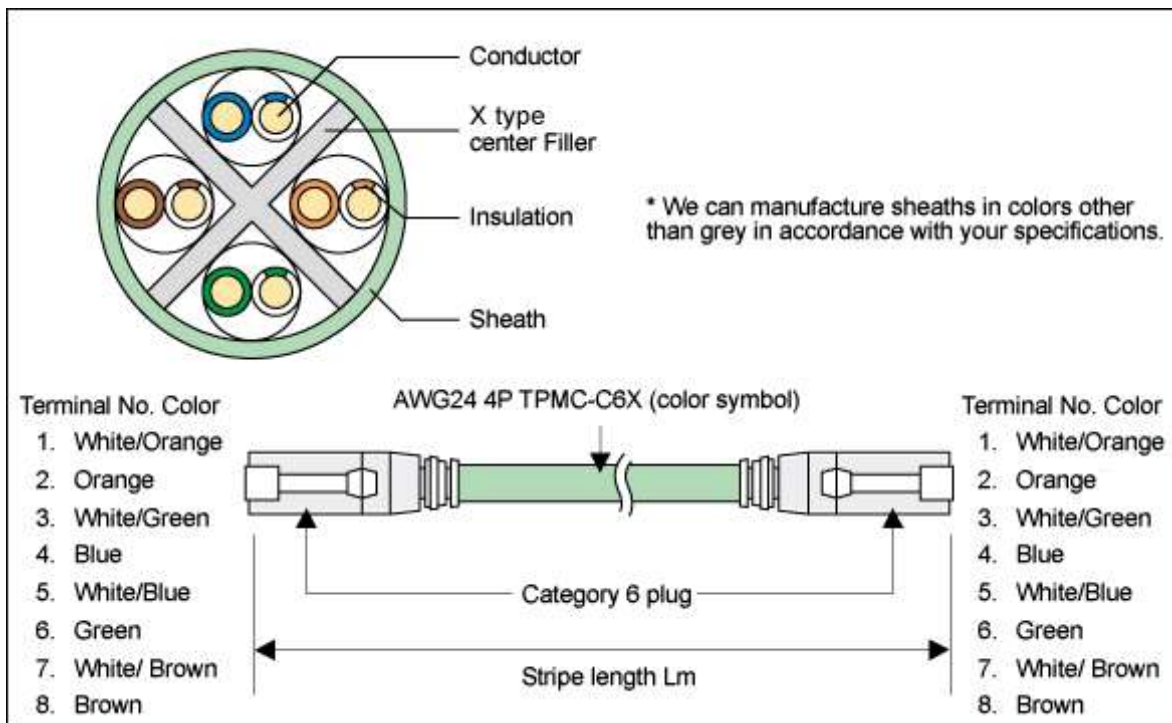
4P (number of pairs) EM-TPMC-C6X (color symbol)-L *1

*1 : (See the specifications below)

Specifications / Construction

Item	Performance	Construction example (4 pairs)
Conductor resistance W/100m (20degrees)	9.38 max	See the diagram below
Withstand voltage V	DC 500 or AC 350	
Insulation resistance M Ω km	5000 min	

Item	Performance	Construction example (4 pairs)
Characteristic impedance Zo Ω	100 +/-15 (1 to 250MHz)	
Return loss (RL) dB	17.3 min (250MHz)	
Loss (IL) dB/100m	32.8 max (250MHz)	
Multiplex near-end crosstalk loss PSNEXT dB	36.3 min (250MHz)	
Propagation Transmission delay time difference Delay Skew ns/100m	45 max (250MHz)	



*1 : The standard connection is T568B straight, but cross connections and other kinds of connections are also available upon request.

*2 : The standard stripe lengths of the completed product are 1.0, 1.5, 2.0, 3.0, and 5.0m, but other lengths are available as well.

*3 : The standard plug is SP688 manufactured by Panduit. (Please consult with us for other plugs.)

Conductor Size (mm)	Number of pairs	Insulator O.D. (mm)	Cable O.D. (mm)	Estimated mass (kg/km)	Standard stripe length (m)	Sheath color	Packed form
AWG24 (0.5)	4	1.0	5.5	40	250	Gray, green, blue	Bundle winding