

Products

Category 6 cable for eco-LAN (EM-DTI-C6X)

Outline

This cable employs TIA/EIA standard core identification and a twisted pair construction. 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.

Standard

TIA/EIA-568-B. 2-1 category 6 cable

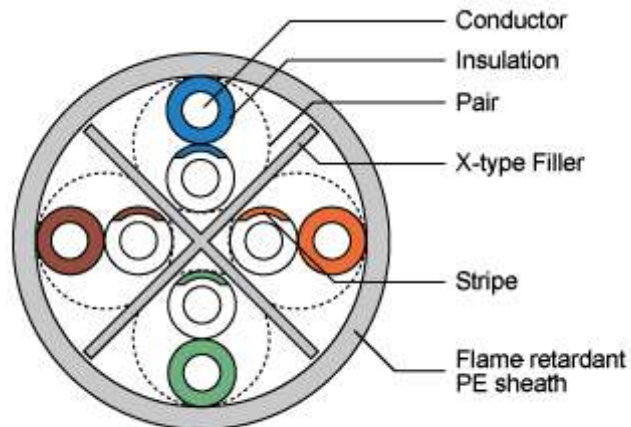
Item name symbol

AWG24 (conductor size) 4P (number of pairs) EM-DT1-C6X (color symbol)

Specifications

Item	Performance
Conductor resistance W/100m (20degrees)	9.38 max
Withstand voltage V	DC 500 or AC 350
Insulation resistance M Ω km	5000 min
Characteristic impedance Zo Ω	100 +/- 15 (1 to 250MHz)

Item	Performance
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)

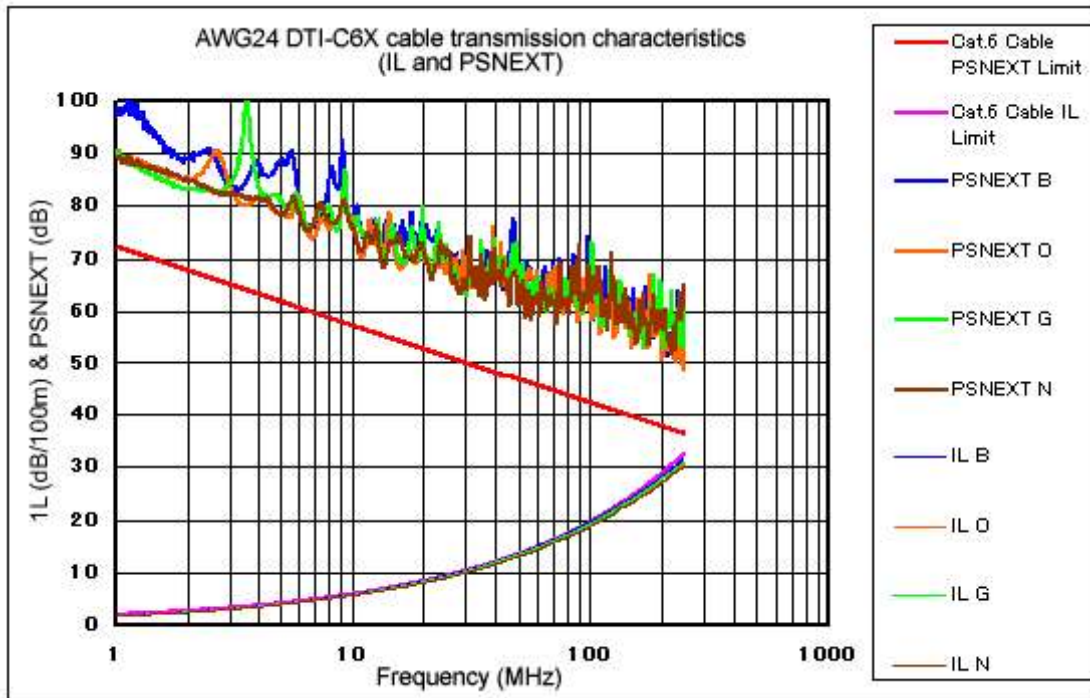


Other sheath colors are available upon request.

Construction example (4 pairs)

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	6.4	38	300	Gray, green, blue	Paper eco-bobbin
	24	1.1	20.8	310	500		Wound on wooden drum

Characteristics example



Copyright©1997-2017 Oki Electric Cable Co.,Ltd. All Rights Reserved.