

Products

Enhanced category 5 cable for eco-LAN (EM-DTI-C5e350)

Outline

This is a non-halogen fire retardant sheath cable which uses double polyethylene insulation and TIA/EIA standard core identification.



This cable conforms to the RoHS standard.

Applications

This is a high speed LAN cable which supports 10BASE-T - 1000BASE-T.

Standard

TIA/EIA-568-B enhanced category 5 cable

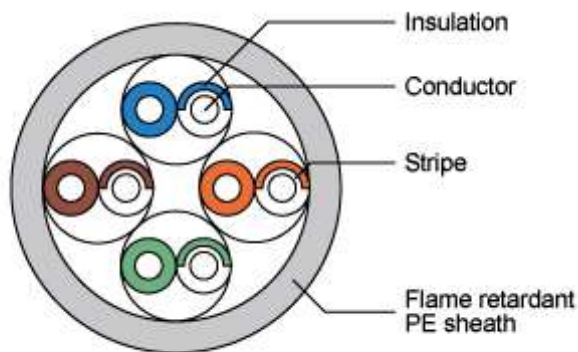
Product name symbol

0.5 (conductor size) 4P (number of pairs) EM-DTI-C5e350 (color symbol)

Specifications / Construction

Item	Performance
Conductor resistance Ω /100m (20degrees)	9.38 or less
Withstand voltage V	DC 500 or AC 350
Insulation resistance M Ω km	5,000 or more
Characteristic impedance Zo Ω	100 +/-15 (1 to 100MHz)

Item	Performance
Return loss (RL) dB	20 or more (100MHz)
Attenuation IL dB/100m	22 or less (100MHz)
Multiplex near-end crosstalk attenuation PSNEXT dB	32.3 or more (100MHz)
Propagation delay time difference Delay Skew ns/100m	45 or less (100MHz)



Other sheath colors are available upon request.

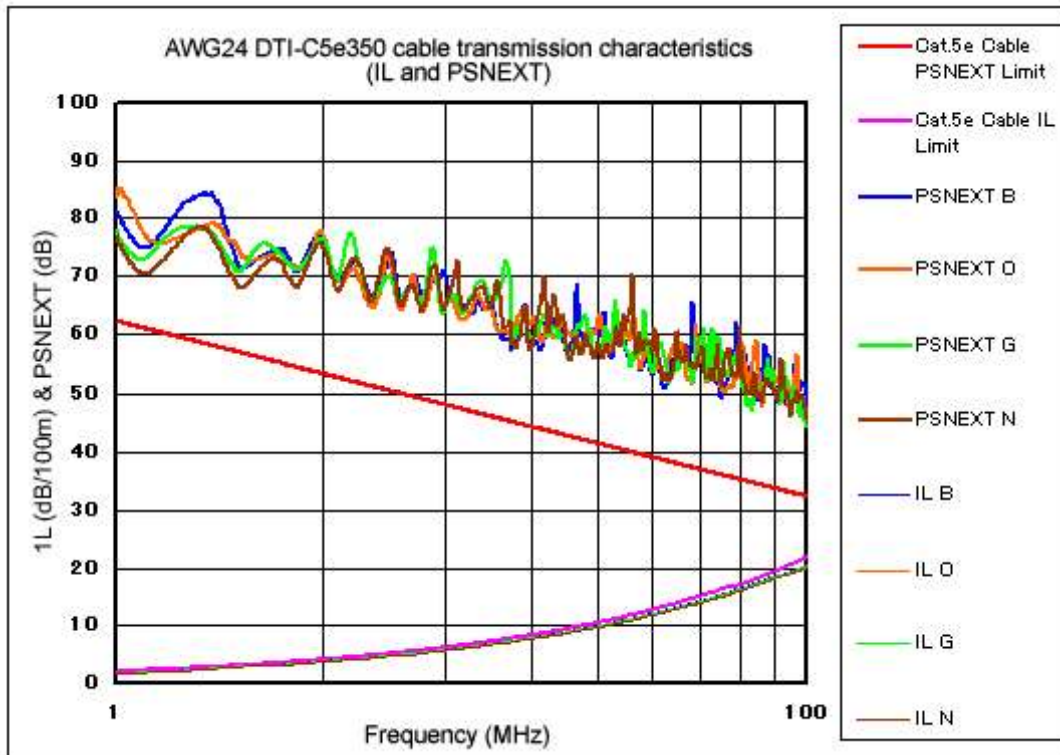
Construction example (4 pairs)

Conductor Size	Number of pairs	Insulator O.D. (mm)	Cable O.D. (mm)	Estimated mass (kg/km)	Standard stripe length (m)	Sheath color	Package
AWG24	4	0.9	5.3	28	300	Gray, Green, Blue	Wound in a figure of 8
	8	0.93	11.5 × 5.5*1	70	500		Wound on wooden drum
	24		14.5	170	500		

*1 : Minor diameter x major diameter

Conductor Size (mm)	Insulator O.D. (mm)	Cable O.D. (mm)	Estimated mass (kg/km)	Standard stripe length (m)	Sheath color	Package
AWG24 (7/0.2)	1.0	5.5	32	250	Gray, green, blue	Bundle winding

Characteristics example



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