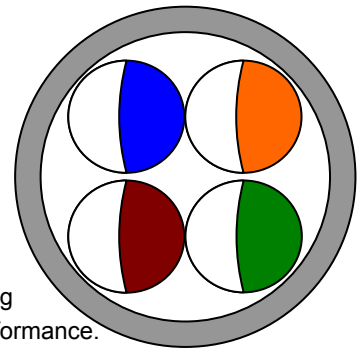




Company Product Designation 56P51-008

Product Description

Type Category 5 Enhanced UTP 4 Pair cable
Standards ISO11801& TIA/EIA 568A/B, UL Subject 444, YD/T019-2001 (P.R.C)
Applications Generic cabling systems. Including 10BaseT,100BaseT, ATM & Token Ring
 This range of unscreened cables is designed to support Cat 5 Enhanced Link and Channel performance.
 With internationally defined Physical and Electrical performance up to 100MHz



Construction

Conductor	24AWG Soft Plain Copper
Insulation	Solid Polyethylene with colour marking on white cores to ease identification
Colour Code	White-Blue/Blue, White-Orange/Orange, White-Green/Green, White-Brown/Brown
Shield	None
Outer Jacket	PVC, CMX,CM,CMR, Leaded and Lead-free as well as LSZH versions available Nominal Diameter 5.0 +/- 0.5 mm
Additional Components	Cable is supplied without ripcord unless specified by the customer
Printing	Sheath printed Black with Legend as per customer requirement

Mechanical Characteristics

Maximum Pulling Force	50 N
Minimum Bending Radius	45 MM
Nominal Weight	40 KG/KM
Operating Temperature	-15Deg C ~ +70 Deg C
Installation Temperature	+5 Deg C ~ +40 Deg C
Fire Performance	IEC332.1, VW1, IEC332.3 versions available depending on Jacket Type.
Product lengths	100 and 305m standard, 500m, 1000m on request.

Electrical Performance

Transmission Frequency (MHz)		1	4	10	16	20	31.25	62.5	100
NEXTA dB/100m		65.3	56.3	50.3	47.3	45.8	42.9	38.4	35.3
Characteristic Impedance		100+/- 15							
Attenuation dB /100m		2	4.1	6.5	8.2	9.3	11.7	17	22
Structural Return Loss dB /100m		> 23				>23-10Log(f/20)			
Return Loss dB /100m		20+5log(f)		25	25	25	25-7log(f/20)		
Nominal Velocity of Propagation		>65%							
PSNEXTA dB /100m		62.3	53.3	47.3	44.3	42.8	39.9	35.4	32.3
ACR dB /100m		63.3	52.2	43.8	39.1	36.5	31.2	21.4	13.3
PSACR dB /100m		60.3	49.2	40.8	36.1	33.5	28.2	18.4	10.3
ELFEXTA dB /100m		63.8	51.7	43.8	39.7	37.7	33.9	27.8	23.8
PSELFEXTA dB /100m		60.8	48.7	40.8	36.7	34.7	30.9	24.8	20.8
ES100H	100m	Box		Grey					
ES356B	305m	Box		Blue					
ES305B	305m	Box		Grey					
ES500A	500m	Reel		Grey					