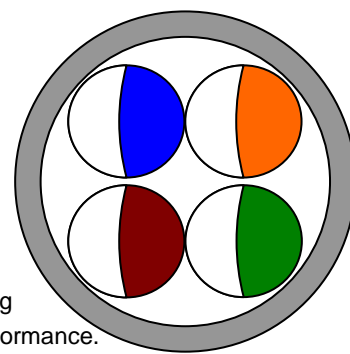




## Company Product Designation 56P51-008

### 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 unshielded cables is designed to support Cat 5 Enhanced Link and Channel performance.  
 With internationally defined Physical and Electrical performance up to 100MHz



### Construction

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

### Mechanical Characteristics

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

### Electrical Performance

Transmission Frequency (MHz)	1	4	10	16	20	31.25	62.5	100
<b>NEXTA</b> dB/100m	66.3	56.3	50.3	47.3	45.8	42.9	38.4	35.3
<b>Characteristic Impedance</b>	<b>100+/- 15</b>							
<b>Attenuation</b> dB /100m	2	4.1	6.5	8.2	9.3	11.7	17	22
<b>Structural Return Loss</b> dB /100m	<b>&gt; 23</b>				<b>&gt;23-10Log(f/20)</b>			
<b>Return Loss</b> dB /100m	20+5log(f)		25	25	25	25-7log(f/20)		
<b>Nominal Velocity of Propagation</b>	<b>&gt;65%</b>							
<b>PSNEXTA</b> dB /100m	62.3	53.3	47.3	44.3	42.8	39.9	35.4	32.3
<b>ACR</b> dB /100m	63.3	52.2	43.8	39.1	36.5	31.2	21.4	13.3
<b>PSACR</b> dB /100m	60.3	49.2	40.8	36.1	33.5	28.2	18.4	10.3
<b>ELFEXTA</b> dB /100m	63.8	51.7	43.8	39.7	37.7	33.9	27.8	23.8
<b>PSELFEXTA</b> dB /100m	60.8	48.7	40.8	36.7	34.7	30.9	24.8	20.8