



Product Code 56P50-008

Product Description

Type Category 5 Enhanced UTP 4 Pair cable

Standard ISO/IEC11801 & TIA-568.2-D & UL Subject 444

Applications Generic cabling systems. Including 10/100/1000 Base-T, 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

Conductor	24AWG annealed bare copper
Insulation	Polyethylene
Colour Code	White/Blue-Blue, White/Orange-Orange, White/Green-Green, White/Brown-Brown
Overall Screen	None
Outer Jacket	LSZH or PVC Compound upon customer request
Outer Diameter	Nominal Diameter: 5.0± 0.5 mm ;
Additional Components	Cable is supplied without ripcord unless specified by the customer
Printing	Jacket printed Black with Legend as per customer requirement

Mechanical Characteristics

Maximum Pulling Force	100 N
Minimum Bending Radius	8* OD.
Nominal Weight	30 KG/KM
Operating Temperature	-15Deg C ~ +70 Deg C
Installation Temperature	+0 Deg C ~ +50 Deg C
Fire Performance	PVC: VW1,CMX, CM, CMG, CMR, IEC60332.1 LSZH: IEC60332.1, IEC60332.3 Upon Customer Request

Supplied Cable Length

Cable length	305m standard, Upon Customer Request
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Electrical Performance

Transmission Frequency (MHz)	1	4	8	10	16	20	25	31.25	62.5	100
NEXT dB	65.3	56.3	51.8	50.3	47.2	45.8	44.3	42.9	38.4	35.3
Characteristic Impedance(ohm)	100±15									
Attenuation dB/100m	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17.0	22.0
Return Loss dB	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1
PSNEXT dB	62.3	53.3	48.8	47.3	44.2	42.8	41.3	39.9	35.4	32.3
ACR-F dB	63.8	51.8	45.7	43.8	39.7	37.8	35.8	33.9	27.9	23.8
PS ACR-F dB	60.8	48.8	42.7	40.8	36.7	34.8	32.8	30.9	24.9	20.8
Delay ns/100m	570	552	547	545	543	542	541	540	539	538



Skew ns/100m	45
Mutual capacitance at 1 kHz nF/100m	5.6
Capacitance unbalance at 1 kHz pF/100m	330

ES100H	100m	Box	Grey
ES356B	305m	Box	Blue
ES305B	305m	Box	Grey
ES500A	500m	Reel	Grey