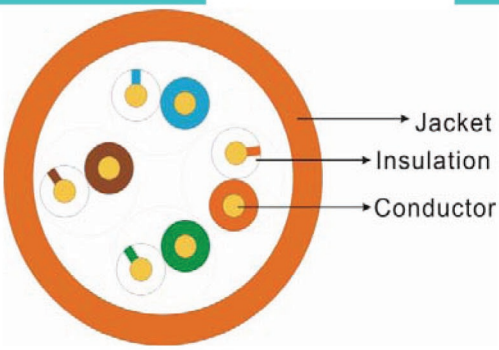
E695A 00B0F04PR UTP CAT.5E

Cross Section



Construction

CONDUCTOR :	**Size**		0.480
	Stranding:		Solid
	Material:		BC - Bare Copper
INSULATION :	**Material:**		Polyethylene
	identification:	with strip colour marking on white cores	
	colors :	Blue,White/Blue	Orange,White/Orange
		Green,White/Green	Brown,White/Brown
TWISTING:	Lay Length:		30mm underneath
CABLING:	Lay Length:		200mm underneath
OUTER JACKET :			PVC
OVERALL DIA :	NOM. Diameter		4.9±0.15
RIP CORD:	as per customer requirement		
PRINT:	as per customer requirement		
WEIGHT(kg/km)			30

Description

Application

100/1000BASE-T ETHERNET; 155Mbps ATM ;ISDN

Reference Standard

YD/T1019-2001 UL Subject 444,EIA/TIA568 & ISO/IEC 11801;IEC61156-5

Electrical Characteristics:

Frequency (MHz)	Return loss (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)
1	20.00	2.04	65.30	63.26
4	23.01	4.05	56.27	52.22
10	25.00	6.47	50.30	43.83
16	25.00	8.25	47.24	38.99
20	25.00	9.27	45.78	36.52
25	24.32	10.42	44.33	33.91
31.25	23.64	11.72	42.88	31.15
62.5	21.54	16.99	38.36	21.37
100	20.11	21.98	35.30	13.33

Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB/100m)	Delay (ns/100m)	PSELFEXT (dB/100m)
1	61.00	64.00	570.00	61.00
4	48.96	51.96	552.00	48.96
10	41.00	44.00	545.38	41.00
16	36.92	39.92	543.00	36.92
20	34.98	37.98	542.05	34.98
25	33.04	36.04	541.20	33.04
31.25	31.10	34.10	540.44	31.10
62.5	25.08	28.08	538.55	25.08
100	21.00	24.00	537.60	21.00

1.0-100.0MHz Impedance (ohms)	100 ± 15
1.0-100.0MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20oC (ohms/km)	<=100
Resistance Unbalance (%)	<=5

Mechanical Characteristics:

Test Object:		Jacket
Test Material		PVC
Before Aging	Tensile Strength (Mpa)	>=13.8
	Elongation (%)	>=100
Aging Condition (oCxhrs)		100x48
After Aging	Tensile Strength (Mpa)	>=80% of unaged
	Elongation (%)	>=50% of unaged

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