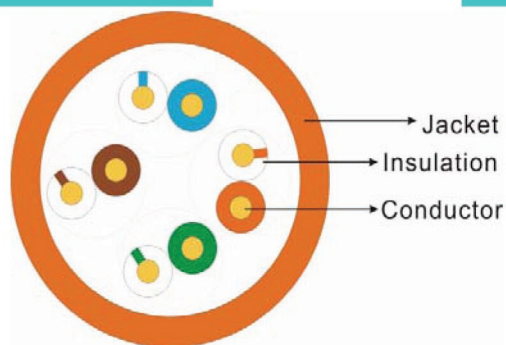


## Cross Section



## Construction

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

## Description

## Application

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

## Reference Standard

YD/T1019-2001 UL Subject 444,EIA/TIA568 &amp; 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	Tensile Strength (Mpa) >=13.8
Aging	Elongation (%) >=100
Aging Condition (oCxhrs)	100x48
After	Tensile Strength (Mpa) >=80% of unaged
Aging	Elongation (%) >=50% of unaged