



**CONSTRUCTION**

<b>Conductor:</b>	
Nos.	08
Dia (mm)	0.55 (+/-0.005)
Material	Solid Bare Copper
<b>Insulation:</b>	
Nos.	08
Dia (mm)	0.98 ± 0.03mm
Material	High Density Polyethylene (HDPE)
<b>Shield:</b>	
Thickness	0.55 ± 0.05mm
External O.D	6.0 ± 0.4mm
Surface	Clean, Frap, Satiation
Material	PVC (Complies RoHS)

**SHEATH PHYSICAL PROPERTIES**

<b>Before Aging:</b>	
Tensile Strength (Mpa)	≥ 13.5
Elongation (%)	≥ 150
Aging Period (°C x hrs)	100°C x 24hrs x 7d
<b>After Aging:</b>	
Tensile Strength (Mpa)	≥ 12.5
Elongation (%)	≥ 125
Cold Bend (°C x hrs)	(-20 ± 2°C x 24hrs) No Visible Cracks

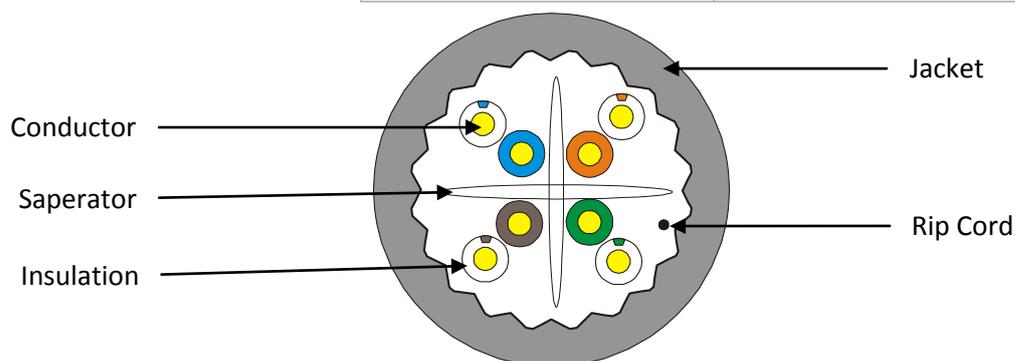
**ELECTRICAL CHARACTERISTICS (20°C)**

Character Impedence (Ω) 1.0-250.0MHZ	100 ± 15
Delay Skew 20°C (ns/100m) 1.0-250.0MHZ	≤ 45
DC Resistance 20°C (Ω /100m) Max	9.38
DC Conductor Resistance Unbalance(%) Max	5.0

**Features:**

- Copper 23AWG
- Two Twisted Wire
- HDPE Insulation
- Nylon Rip Cord
- Plastic Sperator
- Packaging 305 Meters

**Design:**



**INSULATION CHROMATOGRAM**

Number	Insulation Chromatogram	Number	Insulation Chromatogram
1	Blue	2	Orange
	White-Blue		White-Orange
3	Green	4	Brown
	White-Green		White-Brown

**MAIN TRANSMISSION CHARACTERISTICS**

Frequency (MHz)	Return Loss (≥db/100m)	Attenuation (≤db/100m)	NEXT (≥db)	Time Delay (≤ns/100m)	PSNEXT (≥db)	ELFEXT (≥db)	PSELFEXT (≥db)
1	20.0	2.03	74.3	570.0	72.3	67.8	64.8
4.0	23.0	3.78	65.3	552.0	63.3	55.8	52.8
8.0	24.5	5.32	60.8	546.73	58.8	49.7	46.7
10.0	25.0	5.95	59.3	545.38	57.3	47.8	44.8
16.0	25.0	7.55	56.2	543.00	54.2	43.7	40.7
20.0	25.0	8.47	54.8	542.05	52.8	41.8	38.8
25.0	24.3	9.51	53.3	541.20	51.3	39.8	36.8
31.25	23.6	10.67	51.9	540.44	49.9	37.9	34.9
62.5	21.5	15.38	47.7	538.55	45.4	31.9	28.9
100	20.1	19.80	44.3	537.60	42.3	27.8	24.8
200	18.0	28.98	39.8	536.54	37.8	21.8	18.8
250	17.3	32.85	38.3	536.27	36.3	19.8	16.8



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