

CONSTRUCTION	
Conductor:	
Nos.	08
Dia (mm)	0.57 (+/-0.005)
Material	Solid Bare Copper
Insulation:	
Nos.	08
Dia (mm)	1.33 ± 0.05mm
Material	Skin-Foam-Skin-PE
Shield:	
Thickness	0.55 ± 0.05mm
External O.D	7.5 ± 0.5mm
Surface	Clean
Material	PVC (Complies RoHS)

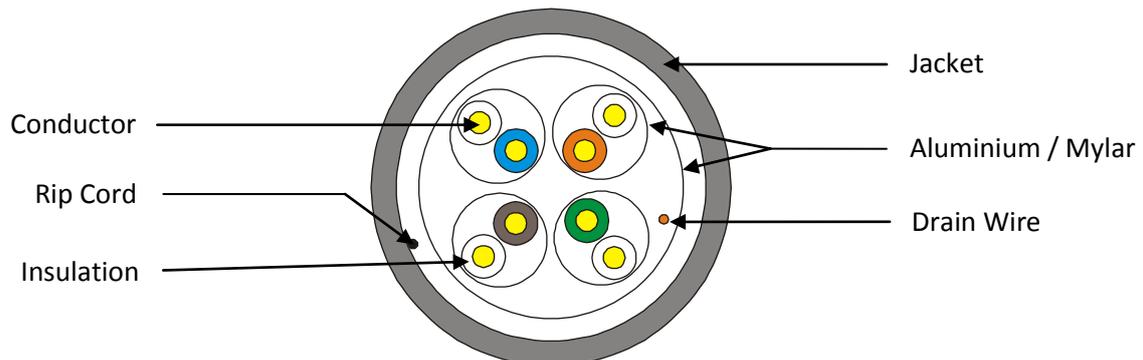
SHEATH PHYSICAL PROPERTIES	
Before Aging:	
Tensile Strength (Mpa)	≥ 13.5
Elongation (%)	≥ 150
Aging Period (°C x hrs)	100°C x 24hrs x 7d
After Aging:	
Tensile Strength (Mpa)	≥ 12.5
Elongation (%)	≥ 125
Cold Bend (°C x hrs)	(-20 ± 2°C x 24h) 8xCable O.D. No Visible Cracks

ELECTRICAL CHARACTERISTICS (20°C)	
Velocity of Propagation (%)	74
Impedance (Ω)	
1.0-250.0MHz	100 ± 15
250.0-500.0MHz	100 ± 22
Delay Skew 20°C (ns/100m)	
1.0-500.0MHz	≤ 45
Unbalanced to Ground Capacitance (pf/100m) Max	330
DC Resistance (Ω /100m) Max	9.36
DC Conductor Resistance Unbalance(%) Max	5.0

Features:

- Copper 23AWG (0.6mm)
- Two Twisted Wire
- Skin Foamed Skin PE Insulation
- Aluminium Screen
- Mylar Screen
- Nylon Rip Cord
- Drain Wire
- 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	--	74.3	570.0	72.3	67.8	64.8
4.0	23.0	3.8	65.3	552.0	63.3	55.8	52.8
8.0	24.5	5.3	60.8	546.7	58.8	49.7	46.7
10.0	25.0	5.9	59.3	545.4	57.3	47.8	44.8
16.0	25.0	7.5	56.2	543.0	54.2	43.7	40.7
20.0	25.0	8.4	54.8	542.1	52.8	41.8	38.8
25.0	24.3	9.4	53.3	541.2	51.3	39.8	36.8
31.25	23.6	10.5	51.9	540.4	49.9	37.9	34.9
62.5	21.5	15.0	47.4	538.6	45.4	31.9	28.9
100	20.1	19.1	44.3	537.6	42.3	27.8	24.8
200	18.0	27.6	39.8	536.5	37.8	21.8	18.8
250	17.3	31.1	38.3	536.3	36.3	19.8	16.8
300	16.8	34.3	37.1	536.1	35.1	18.3	15.3
500	15.2	45.3	33.8	535.6	31.8	13.8	10.8