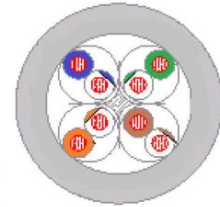


Application

A multi-pair cable used mainly for Data transmission that supports a frequency range up to 250MHz and speeds up to 1 gigabit per second.

Construction

1	Inner conductor	Plain Copper
2	Dielectric	HDPE Insulation
3	Colour Sequence	See Below
4	Sheath	PVC Sheath. (PE & LSZH options also available)



Mechanical Characteristics

1. Inner conductor diameter:	0.55mm nom Plain Copper
2. Insulation diameter:	1.00mm Nominal diameter.
3. Colour Sequence:	Blue & White/Blue, Orange & Orange/White, Green & Green/White, Brown & White/Brown
4. Sheath diameter:	6.30mm Nominal
5. Cable:	
Storage/operating temperature:	-15°C to +80°C
Minimum installation temperature:	-5 °C



Electrical characteristics

Mutual capacitance	190 pF / m
Vp	67-69%
Characteristic impedance	100 +/- 15Ω
Conductor Resistance	79.85Ω/Km

Freq* (MHz)	Attenuation* (dB/100m)	Powersum Acr* (dB/100m)	Pair NEXT* (dB)	Powersum NEXT* (dB)	EL-FEXT* (dB/100m)	Powersum EL-FEXT* (dB/100m)	Return Loss* (dB)
1	1.9	82.6	84.5	86.5	85.0	82.0	27.0
4	3.5	71.9	75.5	77.5	73.0	70.0	30.0
10	5.5	64.0	69.5	71.5	65.0	62.0	30.0
16	7.0	59.4	66.4	68.4	60.9	57.9	30.0
20	7.8	57.1	65.0	67.0	59.0	56.0	30.0
31.25	9.9	52.2	62.1	64.1	55.1	52.1	28.6
62.5	14.1	43.5	57.6	59.6	49.1	46.4	26.5
100	18.0	36.5	54.5	56.5	45.0	42.0	25.1
155	22.7	28.9	51.6	53.6	41.2	38.2	23.8
200	26.1	23.9	50.0	52.0	39.0	36.0	23.0
250	29.4	19.1	48.5	50.5	37.0	34.0	22.3

*Typical figures