

### Applications

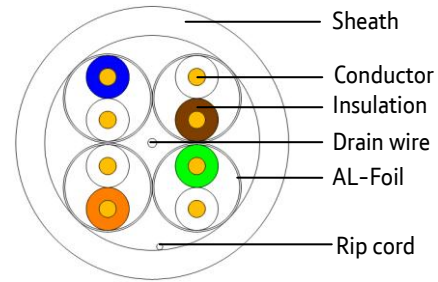
This cable is suitable for internal use of Local Area Networks and Analogue & Digital video applications

### Standards

- ANSI/TIA-568-C.2
- ISO/IEC 11801 2<sup>ND</sup> edition
- IEC 60332-1-2.
- RoHS 2002/95/EC

### Design

- 1. Conductor**  
Solid annealed copper
- 2. Insulation**  
Skin-Foam-Skin PE
- 3. Pair screening**  
AL-Foil
- 4. Sheath**  
LSZH (RAL4005)



Standard Put-Up Length  
305m

### Physical Characteristics

Conductor Diameter Nom. (mm)	Insulation Diameter Nom. (mm)	Overall Diameter Nom. (mm)	Sheath Thickness Nom. (mm)	Cable Weight (Kg/Km)	Rated Temperature (°C)	Min. Bend Radius (install) (mm)
0.56	1.38	8.0	0.65	54	-20~60	90

### Electrical Characteristics at 20°C (part 1)

Impedance from 4MHz to 500MHz (Ω)	Max. Conductor DC Resistance (Ω/100m)	Mutual Capacitance at 1KHz (pF/m)	Max. Pair to Ground Capacitance Unbalance (pF/100m)	Min. Insulation Resistance (MΩ*km)	Max. Resistance Unbalance (%)
100*	87	56	330	200	2.5

\*Note: The value varies slightly at different range of frequencies:  
100 ± 15(4 to 100MHz), 100 ± 22(100 to 200MHz), 100 ± 32(200 to 500MHz).

### Electrical Characteristics at 20°C (part 2)

Frequency (MHz)	Nominal Attenuation (dB/100m)	Minimum NEXT (dB)	Minimum PSNEXT (dB)	Minimum ACRF (dB)	Minimum PSACRF (dB)	Min. Return Loss (dB)	Maximum Time Delay (ns/100m)	Delay Skew (ns)
1	2.1	74.3	72.3	67.8	64.8	20.0	570.0	67.0
4	3.8	65.3	63.3	55.8	52.8	23.0	552.0	67.0
8	5.3	60.8	58.8	49.7	46.7	24.5	546.7	67.0
10	5.9	59.3	57.3	47.8	44.8	25.0	545.4	67.0
16	7.5	56.2	54.2	43.7	40.7	25.0	543.0	67.0
20	8.4	54.8	52.8	41.8	38.8	25.0	542.0	67.0
25	9.4	53.3	51.3	39.8	36.8	24.3	541.2	67.0
31.25	10.5	51.9	49.9	37.9	34.9	23.6	540.4	67.0
62.5	15.0	47.4	45.4	31.9	28.9	21.5	538.6	65.6
100	19.1	44.3	42.3	27.8	24.8	20.1	537.8	62.5
200	27.6	39.8	37.8	21.8	18.8	18.0	536.5	58.0
250	31.1	38.3	36.3	19.8	16.8	17.3	536.3	56.5
300	34.3	37.1	35.1	18.3	15.3	16.8	536.3	55.3
400	40.1	35.3	33.3	15.8	12.8	15.9	536.3	53.5
500	45.3	33.8	31.8	13.8	10.8	15.2	536.3	52.0

### Colour Scheme

1	2	3	4
Blue + White/Blue	Orange+ White/Orange	Green+ White/Green	Brown+ White/Brown