



Cat6 F/UTP LSZH CABLE

Technical information



Features

- ◆ 305m reel
- ◆ Low memory
- ◆ Reverse metre marked from 305m to 0m
- ◆ LSZH sheath
- ◆ 23 AWG solid copper conductors
- ◆ Verified to ISO/IEC 11801 & TIA-568-C.2
- ◆ Ultima 25 year System Warranty

Construction

Conductor Diameter (mm)	AWG	Insulation Diameter (mm)	Overall Sheath Diameter (mm)
0.57 +/- 0.02	23 AWG	1.14 +/- 0.05	7.3 +/- 0.3

Key Electrical Characteristics

Nominal Velocity of Propagation	Max. Conductor Resistance Ω/km @ 20°C	Pair to Ground Capacitance Unbalance pF/100m	Max. Delay Skew ns/100m
66%	93.8	≤ 160	45

Performance

Frequency (MHz)	Return Loss (dB)	Insertion Loss (dB/100m)	NEXT (dB)	PS NEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
1	20.0	2.03	74.3	72.3	67.8	64.8
4	23.0	3.78	65.3	63.3	55.8	52.8
8	24.5	5.32	60.8	58.8	49.7	46.7
10	25.0	5.95	59.3	57.3	47.8	44.8
16	25.0	7.55	56.2	54.2	43.7	40.7
20	25.0	8.47	54.8	52.8	41.8	38.8
25	24.3	9.51	53.3	51.3	39.8	36.8
31.25	23.6	10.67	51.9	49.9	37.9	34.9
62.5	21.5	15.38	47.4	45.4	31.9	28.9
100	20.1	19.8	44.3	42.3	27.8	24.8
150	18.9	24.71	41.7	39.7	24.3	21.3
200	18.0	28.98	39.8	37.8	21.8	18.8
250	17.3	32.85	38.3	36.3	19.8	16.8



Part Numbers

Item	Description	Shielding	NVP	Sheath	CPR Euroclass	Length	Colour
809301	Cat6 Solid	F/UTP	66%	LSZH	Dca-s2,d2,a1	305m	Violet