



# CAT6 U/UTP LSZH CABLES

## Technical information



### Features:

- ◆ Reelex II box dispenses without twists or over runs
- ◆ Reverse metre marked
- ◆ LSZH sheath
- ◆ 24 AWG solid copper conductors
- ◆ Cat6 performance to ANSI/TIA-568, EN50173-1 & ISO/IEC 11801
- ◆ ETL verified Link performance
- ◆ IEC 60332-1-2
- ◆ IEC 61156-5 and IEC 60228 compliant
- ◆ Ultima 25year System Warranty

### Construction

Conductor Diameter (mm)	AWG	Insulation Diameter (mm)	Insulation Material
0.525 +/- 0.02	24 AWG	0.95 +/- 0.05	HDPE
Sheath Material	Sheath Thickness	Overall Sheath Diameter	CPR Euroclass
LSZH	0.5mm	5.9 +/- 0.3	Eca
Operating Temperature	Bulk Cable Weight	Max. Pulling Force	Min. Bend Radius
-20 to +75°C	39.0kg/km	80N	23.6mm

### Key Electrical Parameters

Nom. Mutual Capacitance nF/lm @ 1kHz	Max. Conductor Resistance Ω/km @ 20°C	Max. Capacitance Unbalance pF/km	Max. Delay Skew ns/100m
≤5.6	93.8	≤330	45

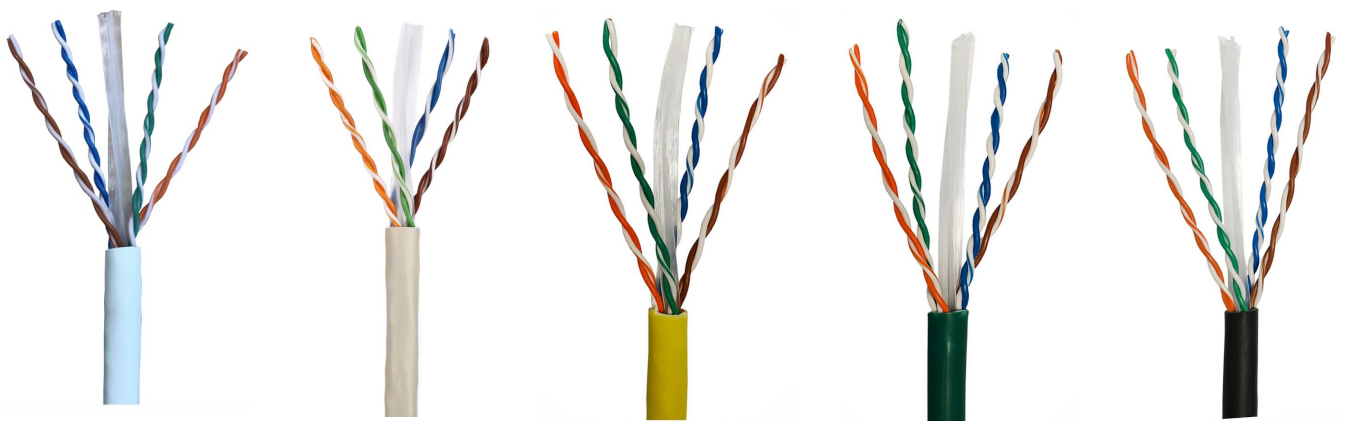
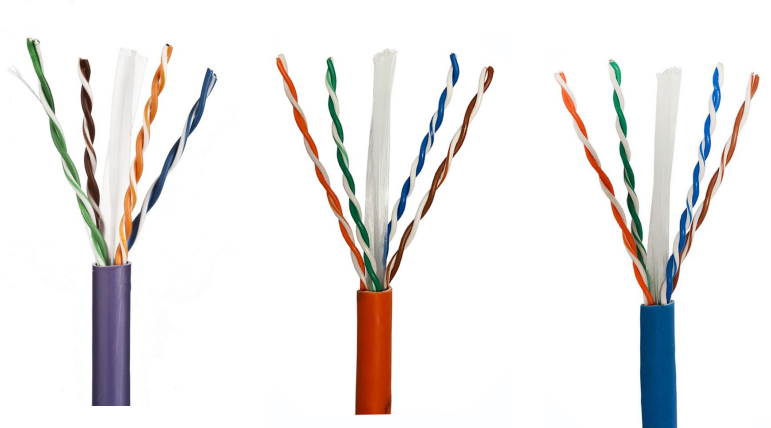
### Performance

Frequency (MHz)	Return Loss (dB)	Insertion Loss (dB)	NEXT (dB)	PS NEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
1	20.0	2.0	74.3	72.3	67.8	64.8
4	23.0	3.8	65.3	63.3	55.8	52.8
8	24.5	5.3	60.8	58.8	49.7	46.7
10	25.0	6.0	59.3	57.3	47.8	44.8
16	25.0	7.6	56.2	54.2	43.7	40.7
20	25.0	8.5	54.8	52.8	41.8	38.8
25	24.3	9.5	53.2	51.3	39.8	36.8
31.25	23.6	10.7	51.9	49.9	37.9	34.9
62.5	21.5	15.4	47.4	45.4	31.9	28.9
100	20.1	19.8	44.3	42.3	27.8	24.8
200	18.0	29.0	39.8	37.8	21.8	18.8
250	17.3	32.8	38.3	36.3	19.8	16.8



# CAT6 U/UTP LSZH CABLE

## Technical information



### Part Numbers

Item	Description	Type	NVP	Sheath	CPR Euroclass	Length	Colour
778134	Cable Cat6	U/UTP	67%	LSZH	E <sub>ca</sub>	305m	Violet
787207	Cable Cat6	U/UTP	67%	LSZH	E <sub>ca</sub>	305m	Orange
791939	Cable Cat6	U/UTP	67%	LSZH	E <sub>ca</sub>	305m	Blue
791942	Cable Cat6	U/UTP	67%	LSZH	E <sub>ca</sub>	305m	White
793200	Cable Cat6	U/UTP	67%	LSZH	E <sub>ca</sub>	305m	Grey
791941	Cable Cat6	U/UTP	67%	LSZH	E <sub>ca</sub>	305m	Yellow
791940	Cable Cat6	U/UTP	67%	LSZH	E <sub>ca</sub>	305m	Green
791938	Cable Cat6	U/UTP	67%	LSZH	E <sub>ca</sub>	305m	Red
816829	Cable Cat6	U/UTP	67%	LSZH	E <sub>ca</sub>	305m	Black