



CAT6A F/FTP LSZH EUROCLASS Cca CABLE

Technical information



Features

- ◆ ANSI/TIA, ISO 11801 & EN 50173 Cat6A compliant
- ◆ Small overall diameter
- ◆ Low memory
- ◆ Reverse metre marked to 0m
- ◆ Light blue LSZH sheath
- ◆ 23 AWG solid copper conductors
- ◆ CPR Euroclass Cca compliant
- ◆ Ultima 25 year System Warranty

Construction

Cable Type	No. of Pairs	AWG	Conductor Diameter	Conductor Material
F/FTP	4 Pair	23 AWG	0.56 +/- 0.02 mm	Solid Bare Copper
Insulation Material	Insulation Diameter	Sheath Material	Sheath Thickness	Overall Sheath Diameter
Foam PE	1.28 +/- 0.05 mm	LSZH	0.6 mm	7.2 +/- 0.3 mm
Operating Temperature	Bulk Cable Weight	Min. Bend Radius	Max. Pulling Tension	Sheath Tensile Strength
-20 to +75°C	50kg/km	57.6mm	80N	≥9 Mpa

Key Electrical Characteristics

Nom. Mutual Capacitance	Max. Capacitance Unbalance	NVP	Max. Delay Skew
≤5.6 nF/100m (@ 1kHz)	≤1600 pF/100m	74%	45 ns/100m
Max. Conductor DC Resistance	Min. Insulation Resistance	Max. Conductor Resistance Unbalance	Max. Operating Voltage - UL
95.0 Ω/km (@ 20°C)	5000 MΩkm	≤2% (@ 20°C)	300V

Performance

Frequency (MHz)	Return Loss (dB)	Insertion Loss (dB/100m)	NEXT (dB)	PS NEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	PS ANEXT (dB min.)	PS AACRF (dB min.)
4	23.0	3.8	66.3	63.3	56.0	53.0	67.0	66.2
8	24.5	5.3	61.8	58.8	49.9	46.9	67.0	60.1
10	25.0	5.9	60.3	57.3	48.0	45.0	67.0	58.2
16	25.0	7.5	57.2	54.2	43.9	40.9	67.0	54.1
20	25.0	8.4	55.8	52.8	42.0	39.0	67.0	52.2
25	24.3	9.4	54.3	51.3	40.0	37.0	67.0	50.2
31.25	23.6	10.5	52.9	49.9	38.1	35.1	67.0	48.3
62.5	21.5	15.0	48.4	45.4	32.1	29.1	65.6	42.3
100	20.1	19.1	45.3	42.3	28.0	25.0	62.5	28.2
200	18.0	27.6	40.8	37.8	22.0	19.0	58.0	32.2
250	17.3	31.1	39.3	36.3	20.0	17.0	56.5	30.2
300	17.3	34.3	38.1	35.1	18.5	15.5	55.3	28.7
400	17.3	40.1	36.3	33.3	16.0	13.0	53.5	26.2
500	17.3	45.3	34.8	31.8	14.0	11.0	52.0	24.2



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CE
2661

Comtec Cable Accessories Ltd
Cardinal Way, Cardinal Distribution Park,
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E-DOP-F4-L001

EN50575:2014+A1:2016

810360

Supply of electricity in buildings and other
civil engineering works with the objective of
limiting the generation and spread of fire
and smoke

Reaction to fire: Cca-s1a,d2,a1

Dangerous Substances: None

Part Numbers

Item	Description	Type	NVP	Sheath	CPR Euroclass	Length	Colour
810360	Cat6A Solid	F/FTP	74%	LSZH	Cca-s1a, d2, a1	305m Reel	Light Blue