

# Cat6a U/FTP LSZHCable multicomp<sup>PRO</sup>

RoHS  
Compliant

## Cable Construction

Conductor	: 23 AWG Solid bare Copper 0.56mm + 0.01mm
Insulation	: Skin - Foam - Skin Polyethylene
Pair	: 2 Insulated conductors twisted together <b>Colour</b> White and Orange White and Green White and Blue White and Brown
Individual Pair Shield	: Aluminum - Polyester Tape Tinned Copper Drain Wire
Jacket	: LSZH - Colours: Grey, Blue, Purple Diameter: 7.5 + 0.3 mm
Marking	: 340-126, Evolution XPC Cat6a U/FTP 23AWG LSZH/B2ca, DOM, MM

## Electrical Characteristics 20°C

Characteristics Impedance	: 100Ω + 15Ω
Conductor Resistance	: ≤ 9.38Ω/100m
Mutual Capacitance	: < 5.6nF/100m
Resistance Unbalance	: 5% Max
Capacitance Unbalance	: 330pF/100m
Delay Skew	: < 45nS
Mechanical	: Bending Radius: Min. 8 x Cable Diameter Pulling Force : 11.5Kg
Temperature Range	: Installation : -20°C to +70°C Operation : 0°C to +50°C

## Transmission Characteristics per 90m Permanent Link

Frequency (MHz)	Max. Attenuation (dB/100M)	RL (dB) Min.	NEXT (dB) Min.	PS.NEXT (dB) Min.	ACRF (dB) Min.	PSACRF (dB) Min.
1	2.1	20	74.3	72.3	67.8	64.8
4	3.8	23	65.3	63.3	55.8	52.8
10	5.9	25	59.3	57.3	47.8	44.8
16	7.5	25	56.2	54.2	43.7	40.7
20	8.4	25	54.8	52.8	41.8	38.8
31.25	10.5	23.6	51.9	49.9	37.9	34.9
62.5	15	21.5	47.4	45.4	31.9	28.9
100	19.7	20.1	44.3	42.3	27.8	24.8
200	24.6	18	39.8	37.8	21.8	18.8
250	31.1	17.3	38.3	36.3	19.8	16.8
300	34.3	16.8	38.1	35.1	18.3	15.3
500	45.3	15.2	33.8	31.8	13.8	10.8

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## Part Number Table

Description	Part Number
Cat6a U/FTP LSZHCable, 305m	MP007931

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