

**RoHS  
Compliant**

## Cable Construction

Conductor	: 23 AWG Solid bare Copper 0.555mm + 0.01mm
Insulation	: High Density Polyethylene
Pair	: 2 Insulated conductors twisted together <b>Colour</b> White-Orange Stripe and Orange White-Green Stripe and Green White-Blue Stripe and Blue White-Brown Stripe and Brown
Separator	: LSZH
Jacket	: LSZH - Colours: Grey, Blue, Purple Diameter: 6.4mm + 0.3mm
Marking	: 340-116, Evolution XPC Cat6 UTP 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 : < 4 X Cable Diameter at -20°C ±1°C Pulling Force : 11.5Kg
Temperature Range	: Installation : 0°C to +50°C Operation : -20°C to +70°C

## Transmission Characteristics per 90m Permanent Link

Frequency (MHz)	Insertion Loss Max.(dB)	NEXT (dB) Min.	RL (dB) Min.	PS NEXT (dB) Min.	ACR-F (dB) Min.	PS ACR-F (dB) Min.
1	1.9	65	19.1	62	64.2	61.2
4	3.5	64.1	21	61.8	52.1	49.1
8	5	59.4	21	57	46.4	43.1
10	5.5	57.8	21	55.5	77.2	41.2
16	7	54.6	20	52.2	40.1	37.1
20	7.9	53.1	19.5	50.7	38.2	35.2
25	8.9	51.5	19	49.1	36.2	33.2
31.25	10	50	18.5	47.5	34.3	31.3
62.5	14.4	45.1	16	42.7	28.3	25.3
100	18.6	41.8	14	39.3	24.2	21.2
200	27.4	36.9	11	34.3	18.2	15.2
250	31.1	35.3	10	32.7	16.2	13.2

## Part Number Table

Description	Part Number
Cat6 UTP LSZH Cable, White, 305m	MP007929

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.