

RoHS
Compliant

Cable Construction

Conductor	: 24 AWG Solid bare Copper 0.49mm + 0.01mm
Insulation	: High Density Polyethylene
Pairs	: 2 Insulated conductors twisted together Colour White-Orange Stripe and Orange White-Green Stripe and Green White-Blue Stripe and Blue White-Brown Stripe and Brown
Jacket	: LSZH - Grey, Blue, Purple Diameter : 5.3 + 0.3 mm Colour: White - RAL 9003
Marking	: 340-105, Evolution XPC Cat5e UTP 24AWG LSZH/B2ca, DOM, MM

Electrical Characteristics 20°C

Characteristics Impedance	: 100Ω + 15Ω
Conductor Resistance	: ≤ 9.38 Ω/100m
Mutual Capacitance	: < 5.6nF/100m
Resistance Unbalance	: 5% Max
Capacitance Unbalance	: 330pF/100m
Delay Skew	: < 45nS
Mechanical Properties	: Bending Radius : < 4 X Cable Dia (mm) Pulling Force : 100 N
Temperature Range	: Installation : 0°C to +50°C Operation : -20°C to +75°C

Transmission Characteristics per 90m Permanent Link

Frequency (MHz)	Max.Insertion Loss (dB)	Min.NEXT (dB)	Min.RL (dB)	Min.PS NEXT (dB)	Min.ACR-F (dB)	Min.PS ACR-F (dB)
1	2.1	60	19	57	58.6	55.6
4	3.9	54.8	19	51.8	46.6	43.6
8	5.5	50	19	47	40.6	37.6
10	6.2	48.5	19	45.5	38.6	35.6
16	7.9	45.2	19	12.2	34.5	31.5
20	8.9	43.7	19	40.7	32.6	29.6
25	10	42.1	18	39.1	30.7	27.7
31.25	11.2	40.5	17.1	37.5	28.7	25.7
62.5	16.2	35.7	14.1	32.7	22.7	19.7
100	21	32.3	12	29.3	18.6	15.6

Part Number Table

Description	Part Number
Cat5e UTP LSZH Cable, 305m	MP007927

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