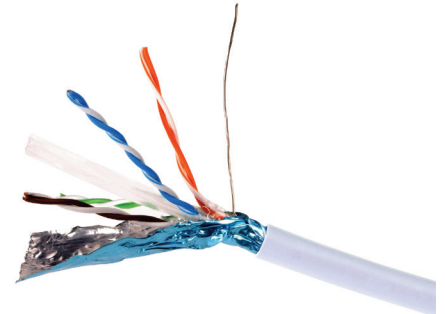


PowerCat 6 F/UTP Cable LS0H 332.1

Molex PowerCat 6 FTP 4 Pair LS0H Cable has been designed to support high speed data transmission systems. The cable is part of the PowerCat 6 FTP range of products that are designed to support a growing requirement for shielded cabling systems.

We recommend that the full range of PowerCat 6 FTP products are used in a system to maximize cabling performance, providing extended frequency response and enhanced bandwidth.



FEATURES AND ADVANTAGES

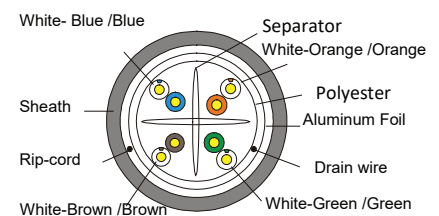
Enhanced performance 4 pair Shielded LS0H cable

Category 6 compliant, independently tested

Color coded for ease of termination

500 meter reel

60332.1 Fire performance



SPECIFICATIONS

REFERENCE INFORMATION

Commercial Standards:
ISO 11801, TIA/EIA 568 C-2

MECHANICAL

Conductor Size : 23 AWG
Primary Insulation : Solid Polyethylene
Nominal O.D.: 1.16mm
Screen Material: Laminated Foil Tape
Sheath Type: LS0H 60332.1
Minimal Wall: 0.55mm
Nominal O.D.: 7.4mm +/-0.4mm
Cable weight: 13.6 Kgs Nominal
NVP: 76%

Maximum Pulling Force: 100N

ELECTRICAL CHARACTERISTICS:

D.C. Resistance : 9.38 ohm/100m max
D.C. Conductor Resistance Unbalance:
5% ma

PoE

Our PowerCat 6 system is suitable for PoE applications as defined below:

IEEE 802.3bt from Type 1 to Type 4, and
CISCO UPoE+

Notes:

For new installations of PoE Type 3 / Class 5 and above that wish to be eligible for the Molex 25 year Application Assurance Warranty, we require Category 6A cable to be used throughout.

To confirm your PoE / RP3 cabling design is eligible for the Molex 25 year Application Assurance Warranty, your design must be verified and validated with the Molex PoE Calculator. Read more

<https://www.molexces.com/poe-calculator>

Molex recommends that the PoE feature on an individual switch port are power disabled prior to unplugging the associated powered Device.

Molex recommends that the full range of PowerCat 6 products be used in a system to maximize cabling and PoE performance. Details on Molex requirements for Warranty can be found at

<https://www.molexces.com/about-us/our-warranty/>

www.molexces.com/products/copper/outlets/

PowerCat 6 F/UTP Cable LSOH 332.1

TECHNICAL PERFORMANCE (100M)

FREQ MHz	Return Loss dB/100m Max.	Attenuation dB/100m	NEXT dB Min.	PS NEXT dB Min.	EL FEXT dB/100m Min.	PS ELFEXT dB/100m Min.	DELAY nS/100m Max.
1.0	20.0	2.03	74.3	72.3	67.8	64.8	570.00
4.0	23.0	3.78	65.3	63.3	55.8	52.8	552.00
8.0	24.5	5.32	60.8	58.8	49.7	46.7	546.73
10.0	25.0	5.95	59.3	57.3	47.8	44.8	545.38
16.0	25.0	7.55	56.2	54.2	43.7	40.7	543.00
20.0	25.0	8.47	54.8	52.8	41.8	38.8	542.05
25.0	24.3	9.51	53.3	41.3	39.8	36.8	541.20
31.25	23.6	10.67	51.9	49.9	37.9	34.9	540.44
62.50	21.5	15.38	47.7	45.4	31.9	28.9	538.55
100.0	20.1	19.80	44.3	42.3	27.8	24.8	537.60
200.0	18.0	28.98	39.8	37.8	21.8	18.8	536.54
250.0	17.3	32.85	38.3	36.3	19.8	16.8	536.27

Skew: <45ns/100m

Shipping Weight 500m reel: 26kg

ORDERING INFORMATION

Order No.	SAP No.	Description
CAA-00251	Consult Molex	PowerCat 6 (C6) F/UTP Cable LSOH 332.1 500m reel

www.molex.com/products/copper/outlets/