FEATURES AND SPECIFICATIONS

molex

PowerCat 6 F/UTP Cable LS0H

Features and Benefits

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

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

- Enhanced performance 4 pair Shielded LS0H cable
- Category 6 compliant, independently tested
- Colour coded for ease of termination
- 500 metre reel
- Reaction to Fire Euroclass: Dca-s2,d2,a1

Commercial Standards

ISO/IEC 11801 amendment 2:2010
TIA/EIA-568-C.2

Fire Propagation Tests

EU Regulation 305/2011 (CPR)
EN 50575:2014+A:2016
Euroclass: Dca-s2,d2,a1
DoP No: MLXCES-2018-C-030 located on web
http://www.molexces.co.uk/about-us/our-compliance/cpr/dop-certificates/

Technical Information

Mechanical Characteristics

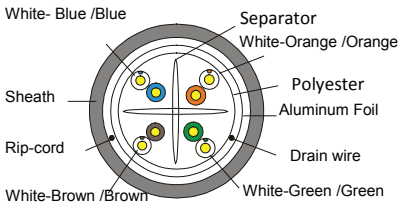
Conductor Size: 23 AWG
Primary Insulation: Solid Polyethylene
Nominal O.D.: 1.12mm
Screen Material: Aluminium Mylar
Sheath Type: LS0H
Nominal O.D: 7.4mm +/-0.4mm
Operating Temperature: -30° to +60°
Installation Temperature: -20˚C to +50˚C
NVP: 69%
Sheath Colour: Violet RAL 4005

Maximum Pulling Force: 100N

Electrical/Optical Characteristics

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

Skew: <45ns/100m
Shipping Weight 500m reel: 29.5kg



Technical Performance (100m)

Frequency (MHz)	RL ≥dB	ATT(20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	PSNEXT ≥Db	ELFEXT ≥dB	PSELFEXT ≥dB
1.00	20.00	-	74.30	570.00	72.30	67.80	64.80
4.00	23.00	3.78	65.30	552.00	63.30	55.80	52.80
8.00	24.50	5.32	60.80	546.73	58.80	49.70	46.70
10.00	25.00	5.95	59.30	545.38	57.30	47.80	44.80
16.00	25.00	7.55	56.20	543.00	54.20	43.70	40.70
20.00	25.00	8.47	54.80	541.20	52.80	41.80	38.80
25.00	24.30	9.51	53.30	541.20	51.30	39.80	36.80
31.25	23.60	10.67	51.90	540.44	49.90	37.90	34.90
62.50	21.50	15.38	47.70	538.55	45.40	31.90	28.90
100.00	20.10	19.80	44.30	537.60	42.30	27.80	24.80
200.00	18.00	28.98	39.80	536.54	37.80	21.80	18.80
250.00	17.30	32.85	38.30	536.27	36.30	19.80	16.80

ORDERING INFORMATION

Order No.	SAP No.	Description
CAA-00251	181750035	PowerCat 6 F/UTP LS0H Cable Dca-s2,d2,a1 violet 500m reel

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www.molexces.co.uk

APAC
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www.molexces.com

Please refer to our website at **http://www.molexces.com/About-Us/Our-Warranty.html** for terms and conditions of any resulting warranty.
This information is correct at the time of publication, specifications are subject to change.