## **FEATURES AND SPECIFICATIONS**



# molex PowerCat™ 5E Cable U/UTP LS0H

#### **Features and Benefits**

Molex Premise Networks PowerCat (C5E) 4 Pair U/UTP cable, has been designed to support high speed data transmission systems. This cable is part of the PowerCat System range of products, that have been designed based on the PowerSum principle of crosstalk measurement and testing. We recommend that the full range of PowerCat products is used in a system to maximise cabling performance, providing extended frequency response and enhanced bandwidth.

- Enhanced performance 4 pair LS0H
- Category 5E Compliant
- Colour coded pairs for ease of termination
- 305m easy spool box

#### **Commerical Standards**

EN 50173 2nd Edition, ISO/IEC 11801 2nd Edition, EIA/TIA 568B.2.1

#### **Technical Information**

#### **Mechanical Characteristics**

Conductor Size: 24 AWG Soft Plain

Copper

Primary Insulation: Solid Polyethylene

Nominal O.D.: 0.51mm Sheath: LS0H 332.1 Minimal Wall: ±0.03mm Nominal O.D.: 5.2mm NVP: 67%

Maximum Pulling Force: 100N

#### **Electrical/Optical Characteristics**

D.C. Resistance: 9.8 Ω/km

Crosstalk (dB)

65.3 @ 1MHz @ 16MHz 47.3 @ 100MHz 35.3

## Insertion Loss (dB/100m):

@ 1MHz 2 8.2 @ 16MHz @ 100MHz 22

PS NEXT:

@ 1MHz 62.3 @ 16MHz 44.4 @ 100MHz 32.3

ELFEXT:

@ 1MHz 63.8 @ 16MHz 39.7 23.8 @ 100MHz

PS ELFEXT:

@ 1MHz 60.8 @ 16MHz 36.7 @ 100MHz 20.8

Return Loss:

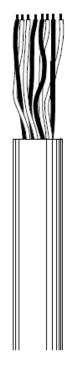
@ 1MHz 20 @ 16MHz 25 @ 100MHz 20.1

PSACR:

@ 1MHz 60 @ 16MHz 36 @ 100MHz 10

Skew: 45ns max

Shipping Weight: 305m box: 9.12kg



# **ORDERING INFORMATION**

Order No.	SAP No.	Description
39-504-5E	Consult Molex	PowerCat C5E Cable 305m box U/UTP LS0H - Violet

### **MOLEX PREMISE NETWORKS**

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