FEATURES AND SPECIFICATIONS

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,

Enhanced performance 4 pair LS0H

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

providing extended frequency response and enhanced bandwidth.

Category 5E Compliant Colour coded pairs for ease of

Commerical Standards

Cable

termination 305m easy spool box

Technical Information

| Mechanical Characteristics | | |
|----------------------------|-----------------------|--|
| Conductor Size: | 24 AWG Soft Plain | |
| | Copper | |
| Primary Insulatio | n: 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) @ 1MHz @ 16MHz @ 100MHz | 65.3 47.3 35.3 |
| 0 | 3/100m): 2 8.2 22 |
| PS NEXT: @ 1MHz @ 16MHz @ 100MHz | 62.3 44.4 32.3 |
| U U | 63.8 39.7 23.8 |
| PS ELFEXT: @ 1MHz @ 16MHz @ 100MHz | 60.8 36.7 20.8 |
| Return Loss: @ 1MHz @ 16MHz @ 100MHz | 20 25 20.1 |
| PSACR: @ 1MHz @ 16MHz @ 100MHz | 60 36 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 |

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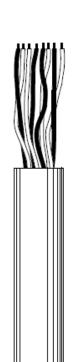
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Issue 3



molex[®] PowerCat[™] 5E

Cable U/UTP LS0H

Please refer to our website at http://www.molexpn.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.

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