



Category 6A LSOH FTP Shielded

Patch Leads

Application/Product Description

HellermannTyton Category 6A shielded patch leads are designed and tested to support Primary (Campus), Secondary (Riser) and Tertiary (Horizontal) applications for 10Base-T (Ethernet),

100Base-T(Fast Ethernet), 1000Base-T(Gigabit Ethernet), 10GBase-T(10-Gigabit Ethernet), PoE and PoE+.

When used with HellermannTyton Category 6A shielded cables, patch panels and outlets the combined performance exceeds Category 6A/ Class EA link and channel requirements.

The patch leads are supplied standard 1m, 2m, 3m, 5m lengths in grey, other lengths and colours are available on request.



Category 6A LSOH Shielded Patch Leads

Technical Data

| Electrical Characteristics @ 20°C | Specification |
|--|---------------|
| DC Loop Resistance | 145Ω/km |
| Resistance Unbalance | 2% |
| Insulation Resistance | 5000MΩ/km |
| Capacitance Unbalance (pair to ground) | ≤1600pF/km |
| Delay Skew | 45ns/100m |
| NVP (Nominal Velocity of Propagation) | 65% |

Cable Standards

Cable

- BS EN 50173
- ISO 11801:2002 (inc. Amend. A1 & A2)
- ANSI/TIA/EIA 568-C.2
- IEC 61156-6

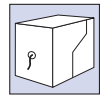
Cable Sheath

- IEC 60332-1

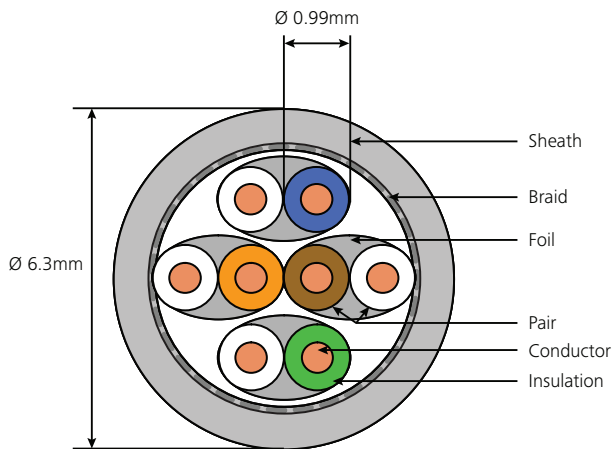
Performance Characteristics

| Frequency (MHz) | | 1 | 250 | 500 |
|------------------|---------|------|------|------|
| NEXT (dB) | Spec | 65.0 | 38.7 | 31.0 |
| | Typical | 93.0 | 49.4 | 41.0 |
| Return Loss (dB) | Spec | 19.8 | 14.0 | 9.5 |
| | Typical | 28.2 | 29.6 | 17.0 |

*Typical values based on a 2m patch lead.



Cable Construction



| Product Performance | |
|-------------------------------------|--|
| Core | |
| Core Conductor: | 26 AWG Stranded Copper Wire |
| Conductor Diameter: | 0.155±0.02mm |
| Insulation: | Foam PE |
| Insulation Diameter: | 0.99mm ± 0.05mm |
| Twisting: | 2 cores to the pair |
| Pair Colour: | Blue-White/Blue, Orange-White/Orange, Green-White/Green, Brown-White/Brown |
| Final Assembly | |
| Cable | 4 pairs to the core |
| Sheath | LSOH Grey |
| Outer Diameter | 6.3mm ± 0.3mm |
| Mechanical and Environmental | |
| Temp. Operation | -20°C to +75°C |
| Min. Bend Radius | |
| During Installation: | 8 x outer diameter |
| During Operation: | 12 x outer diameter |
| Max. Tensile Force: | |
| During Installation | 80N |
| Packaged Weight | 42kg/km |

This document is subject to change without notice.
The current version available from www.htdata.co.uk/site/products/cable