



Category 6 LS0H Unshielded Solid

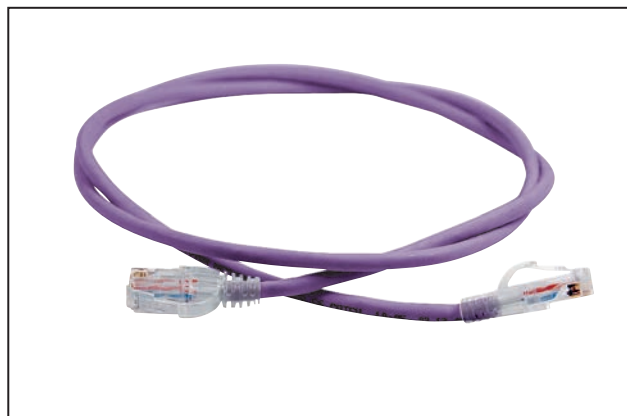
Patch Leads

Application/Product Description

HellermannTyton Category 6 solid unshielded 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), PoE and PoE+.

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

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



Category 6 LS0H Unshielded Patch Leads

Technical Data

Electrical Characteristics @ 20°C	Specification
DC Loop Resistance	165Ω/km
Resistance Unbalance	≤2%
Insulation Resistance	≥2000MΩ/km
Capacitance Unbalance (pair to ground)	≤1500pF/100m
Delay Skew	≤427ns/100m
NVP (Nominal Velocity of Propagation)	Approx. 66%

Cable Standards

Cable

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

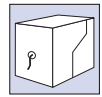
Cable Sheath

- IEC 60332-1

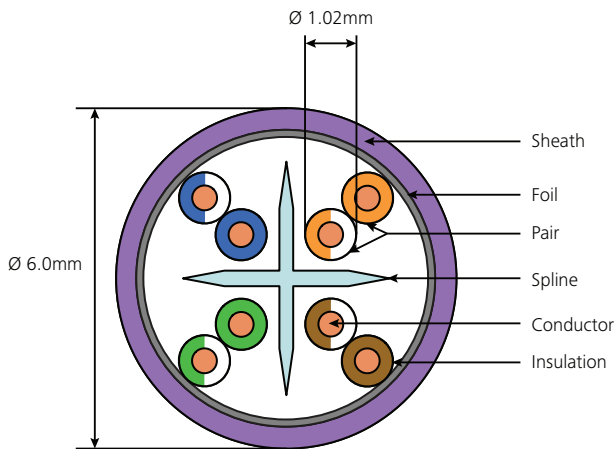
Performance Characteristics

Frequency (MHz)		1	100	250
NEXT (dB)	Spec	65.0	46.4	38.8
	Typical	93.6	58.0	47.3
Return Loss (dB)	Spec	19.8	18.0	14.0
	Typical	42.7	39.8	28.3

*Typical values based on a 2m patch lead.



Cable Construction



Product Performance	
Core	
Core Conductor:	23 AWG Bare Copper
Conductor Diameter:	0.57mm nominal
Insulation:	Solid Polyethylene
Insulation Diameter:	1.02mm nominal
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 Violet
Outer Diameter	6.0mm ± 0.36mm
Mechanical and Environmental	
Temp. Operation	-20°C to +60°C
Min. Bend Radius	
During Installation:	8 x outer diameter
During Operation:	12 x outer diameter
Max. Tensile Force:	
During Installation	100N
Packaged Weight	43kg/km

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