



### Category 6 Slim Diameter LSOH Unshielded

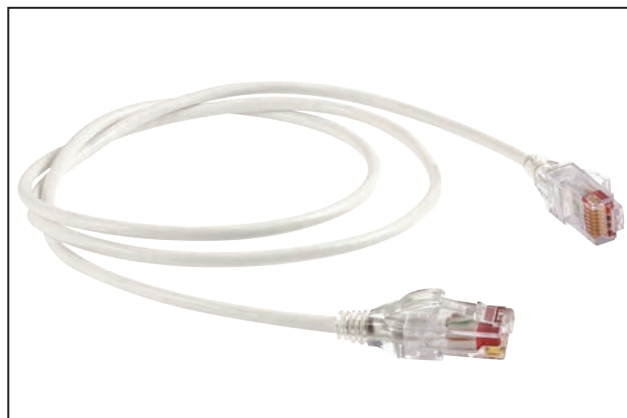
#### Patch Leads

#### Application/Product Description

HellermannTyton Category 6 small diameter 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 blue, green and white, other lengths and colours are available on request.



Category 6 Slim Diameter LSOH Unshielded Patch Leads

#### Technical Data

Electrical Characteristics @ 20°C	Specification
DC Loop Resistance	23.2Ω/100m
Resistance Unbalance	5%
Capacitance Unbalance (pair to ground)	≤330pF/100m
Delay Skew	45ns/100m
NVP (Nominal Velocity of Propagation)	70%

#### Cable Standards

##### Cable

- ISO 11801:2002 (inc. Amend. A1 & A2)
- ANSI/TIA/EIA 568-C.2
- IEC 61156-5

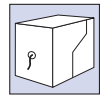
##### Cable Sheath

- IEC 60332-1

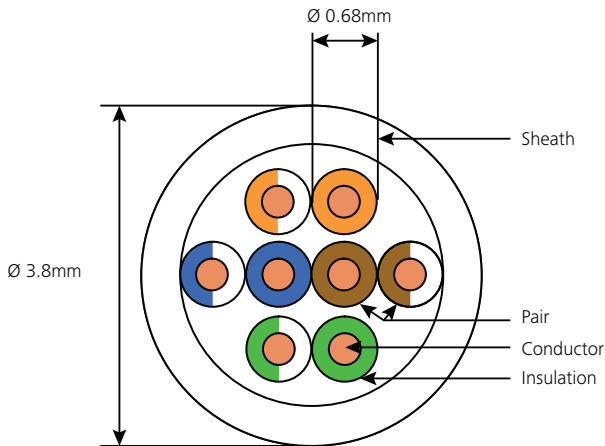
#### Performance Characteristics

Frequency (MHz)		1	250	500
NEXT (dB)	Spec	65.0	46.4	38.8
	Typical	91.7	53.4	47.4
Return Loss (dB)	Spec	19.8	18.0	14.0
	Typical	37.8	31.9	28.3

\*Typical values based on a 2m patch lead.



**Cable Construction**



<b>Product Performance</b>	
<b>Core</b>	
Core Conductor:	28 AWG Stranded Copper Wire
Conductor Diameter:	0.38 nominal
Insulation:	HDPE
Insulation Diameter:	0.63 nominal
Twisting:	2 cores to the pair
Pair Colour:	Blue-White/Blue, Orange-White/Orange, Green-White/Green, Brown-White/Brown
<b>Final Assembly</b>	
Cable	4 pairs to the core
Sheath	LSOH White
Outer Diameter	3.8mm nominal
<b>Mechanical and Environmental</b>	
Temp. Operation	-20°C to +70°C
Min. Bend Radius	
During Installation:	8 x outer diameter
During Operation:	12 x outer diameter
Max. Tensile Force:	
During Installation	35N
Packaged Weight	20kg/km

This document is subject to change without notice.  
The current version available from [www.htdata.co.uk/site/products/cable](http://www.htdata.co.uk/site/products/cable)