

S/FTP Stranded

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 S/FTP Stranded 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

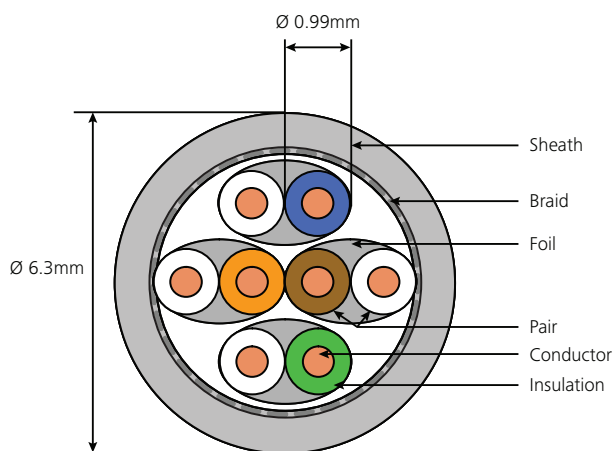
- IEC 60332-1

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:	4 x outer diameter
Max. Tensile Force:	
During Installation	80N
Packaged Weight	42kg/km