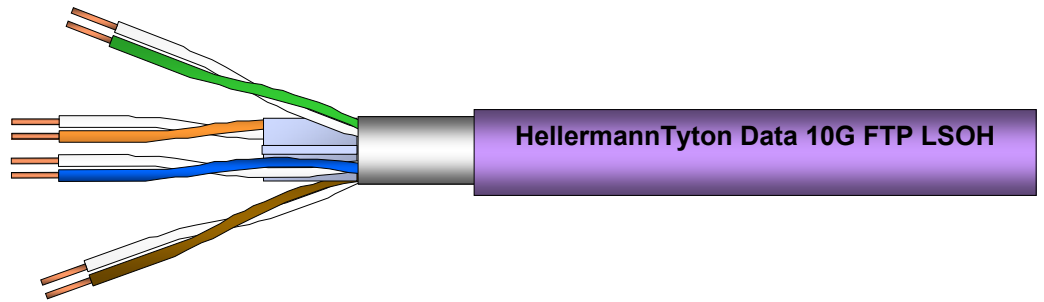
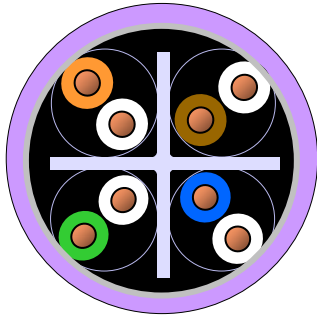


10G FTP LSOH 10G Solution Cable



Cable Construction

Constructed from Left on left Twin & lay-up Schemes.
Tested to exceed international NEXT & RI performance requirements.

Cabling Application

Structured Cable for Campus, Riser & Horizontal Installation
Fully Compatible with HTData Connection systems according to EN50173(2000)

Applicable Standards

ISO/IEC 11801:2002; IEEE802.3an
EN 50173(2000); EN 50288-6-1
ANSI/TIA/EIA-568-B.2-2001 and 568-B.2-1-2002
Fire Propagation Test : UL 1581 VW1; IEC60332.1; EN50265-2-1

Cable construction

Conductor	Bare Cu Wire	Outside Diameter of Conductor	0.575 mm(23)
Insulator Material	PE	Outside Diameter of Insulation	1.16 mm
Number of Twisted Pairs	4	Outside Diameter of Sheath	7.2 ± 0.1mm
Spline Material	PVC or PE	Outside Diameter of 6-way Bundle	21.8 mm
Sheath Material	OHLS	Weight (6-way Bundle)	315.6 kg/km
Central Filler	LDPEPP	Sheath Colour	Purple
		Sheath Printing (On Element One)	Batch No. & Metre marking

Cable Properties

Min. Installation Bend Radius	8 x O. Dia	Characteristic impedance (1-100Mhz)	100±15 Ω
Min. Installed Bending Radius	4 x O. Dia	Characteristic impedance (100-250Mhz)	100±18 Ω
Max. Installation Tension	100N	DC Conductor Loop Resistance	25 Ω/100m
Max. Installed Tension	Zero	Max. Resistance unbalance	≤2%
Installation Temp. Range (Installed)	0 to 50°C	Nominal Velocity of Propagation	72%
Operating Temp. Range	-20 to 60°C	Nominal Capacitance	50 pF/m
		Max. Capacitance unbalance	1600 pF/km
		Insulation Resistance (500V)	≥2000 MΩ.km

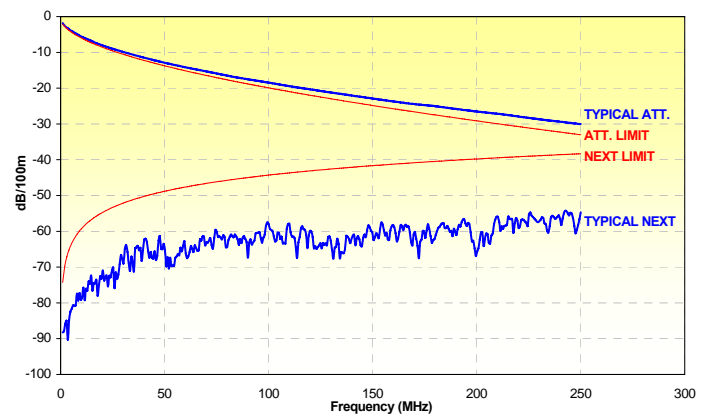
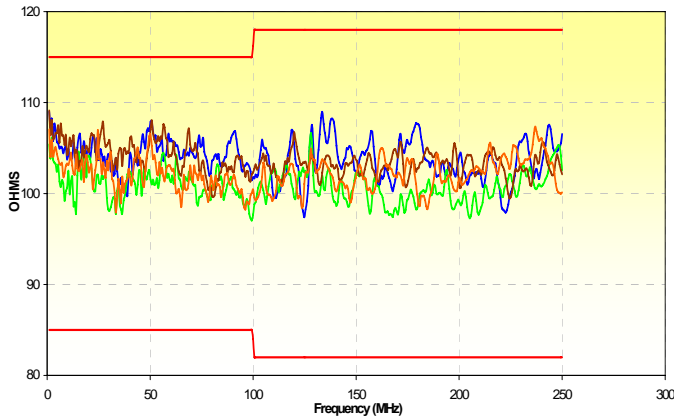
Packaging

Drum	P4	Performance	
Quantity per drum (approx.)	305 m	Tested to Cable Standard	ISO/IEC 11801 & IEEE802.3an
Drum Dimensions (DiaxW)	Ø 400mm		
Shipment Weight (approx.)	22kg		

10G FTP LSOH 10G Solution Cable

Performance Impedance

Attenuation & NEXT



Applications Supported

As part of the HellermannTyton 10G Solution; the 10G FTP cable is designed to support IEEE 10GBASET Ethernet networks to the full 90 Metre channel. The chart below shows the protocols supported on the system under the HellermannTyton warranty program. Full details can be obtained from www.htdata.co.uk

Protocol	Common Pairs	Bit Rate	Bandwidth
Analogue Voice Systems	1	Analogue	< 1MHz
Digital Voice Systems	1	Analogue	< 1MHz
ISDN	1 & 3	64/128Kbits	< 1MHz
ICL	2 & 4	1Mbits	<16MHz
10BaseT	2 & 3	10Mbits	16MHz
4/16 Mbit Token Ring	1 & 3	4/16Mbits	20MHz
100BaseT	2 & 3	100Mbits	32MHz
100BaseT4	1, 2, 3 & 4	100Mbits	16MHz
155 ATM	2 & 4	155Mbits	100MHz
AS400	1 & 2	2Mbits	<16MHz
IBM 3270	1 & 2	1Mbits	<16Mhz
Baseband Video CCTV, etc.	1	Analogue	<10MHz
Building Management Systems	1, 2, 3 & 4	Analogue	<1MHz
1000BaseTx	1, 2, 3 & 4	1Gbits	100MHz
1000BaseT	2&3	1Gbits	200MHz
10GBASET	1, 2, 3 & 4	10Gbits	500Mhz

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