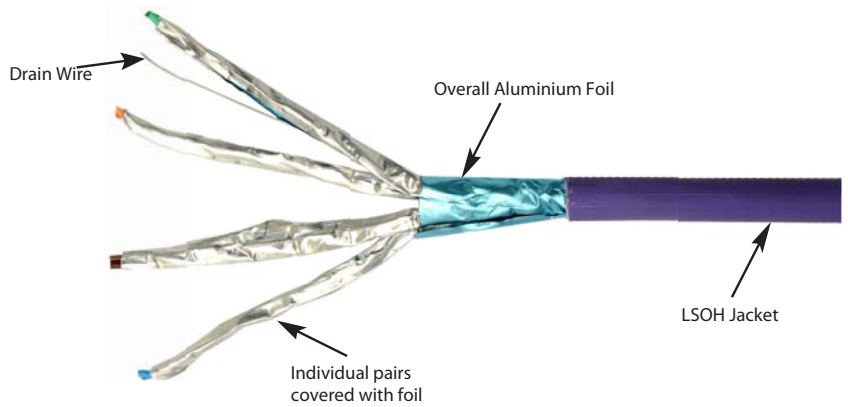
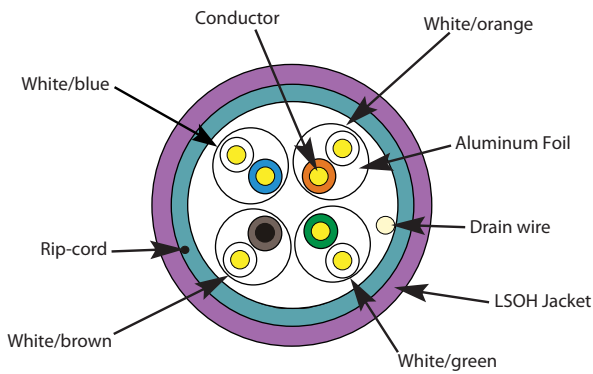


The Giganet Category 6A 500Mhz F/FTP LSOH cable has been designed and manufactured to exceed TIA/EIA 568-B 2.1, ISO /IEC 11801: 2002 and CENELEC performance requirements. The cable is ideal for 10 Gigabit networks.

The four pairs are individually wrapped with aluminum foil tape with an overall aluminum foil with drain wire to provide immunity from Alien Crosstalk (electromagnetic noise that can occur from one pair to an adjoining cable) and external EMI.

The Cat 6A system supports emerging and convergence applications, performance and ease of termination.



CABLE CHARACTERISTICS	
F/FTP LSOH Flame Resistant	
0.57mm / 23 AWG solid Plain Copper	
All pairs shielded with Aluminum foil	
Overall Aluminum Foil	

PRODUCT INFORMATION	
Part Number	Product Description
GN-C6A-F/FTP-LSOH	Giganet Category 6A Solid F/FTP LSOH Cable - 305m drum





## COPPER CATEGORY 6A F/FTP CABLING SYSTEM

### Giganet Shielded Category 6A Foiled Twisted-Pair Cable

#### APPLICATION

1000 Base-T Gigabit Ethernet  
 10G Base-T 10 Gigabit Ethernet  
 ATM  
 IEEE 802.3af/at POE+  
 Applications up to 500Mhz

#### ELECTRICAL SPECIFICATIONS

DC Resistance	<9.38 Ω/100m
DC Resistance Unbalanced	5%
Mutual Capacitance	5.6 nF/100m
Capacitance Unbalanced	<330 pF/100m

#### PERFORMANCE / SPECIFICATION TABLE

Frequency (MHz)	Return Loss ≥ dB	Attenuation ≥ dB/100m	NEXT ≥ dB/100m	ELFEXT ≥ dB /100m	PS NEXT ≥ dB/100m	PS ELFEXT ≥ dB /100m	Phase Delay (ns/100)
1	20.0	2.1	74.3	67.8	72.3	64.8	570
4.0	23.0	3.8	65.3	55.8	63.3	52.8	552
8.0	24.5	5.3	60.8	49.7	48.8	46.7	546.7
10.0	25.0	5.9	59.3	47.8	57.3	44.8	545.4
16.0	25.0	7.5	56.2	43.7	54.2	40.7	543
20.0	25.0	8.4	54.8	41.8	52.8	38.8	542.1
25.0	24.3	9.4	53.3	39.8	41.3	36.8	541.2
31.25	23.6	10.5	51.9	37.9	49.9	34.9	540.4
62.5	21.5	15	47.4	31.9	45.4	28.9	538.6
100	20.1	19.1	44.3	27.8	42.3	24.8	537.6
200	18.0	27.6	39.8	21.8	37.8	18.8	536.5
250	17.3	31.1	38.3	19.8	36.3	16.8	536.3
300	16.8	34.3	37.1	18.3	35.1	15.3	536.1
500	15.2	45.3	33.8	13.8	31.8	10.8	535.6

Nominal velocity of propagation (NVP 69%)

#### STANDARDS

ANSI/TIA/EIA 568-B-2-10  
 ISO/IEC 11801: 2002  
 EC VERIFIED

#### System Warranty:

The Giganet System Warranty provides the end user an exclusive 25 year warranty when installed by a Giganet Certified Installer providing 100% coverage on non consumable products, application assurance and labour covering both link and channel using Giganet cable and connectivity. The warranty requested will depend on the class of cabling based on compliance to Industry standards using an approved performance tester.

The warranty can be applied online at [http://www.giga-net.co.uk/warranty\\_form.html](http://www.giga-net.co.uk/warranty_form.html) by an accredited Giganet Partner who has installed the end-to-end Infrastructure solution.