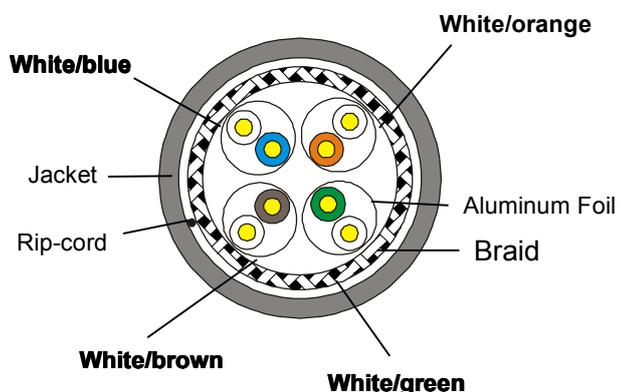The Giganet Category 7A 1000Mhz S/FTP LSOH and S/FTP PVC cable has been designed and manufactured to exceed TIA/EIA 568-B 2.1, ISO /IEC 11801: 2002 and CENELEC performance requirements. The cable is ideal for 10 Gigabit networks.

Each cable consists of 4 pairs individually wrapped in a covering of high quality, strong, aluminium/polyester foil tape providing an individual screen for each pair. These sub units are then cabled together, with the pairs set to different lay lengths to ensure optimum performance, an overall braid screen is applied to provide further immunity to outside noise and to mitigate any risk of alien cross talk.

The Cat 7A system supports emerging and convergence applications, performance and ease of termination.

White/blue	White/orange	
Jacket		Aluminum Foil
Rip-cord		Braid
White/brown	White/green	

CABLE CHARACTERISTICS

Low Smoke Zero Halogen Jacket
23 AWG Conductors
Individual foil pairs with overall braid screen

PRODUCT INFORMATION

Part Number	Product Description
GN-C7A-S/FTP-LSOH	Giganet Category 7A Solid S/FTP LSOH Cable - 305m drum
GN-C7A-S/FTP-PVC	Giganet Category 7A Solid S/FTP PVC Cable - 305m drum

**GIGANET
25 Year
System Warranty**

APPLICATION

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

ELECTRICAL SPECIFICATIONS

DC Resistance	<9.5 Ω/100m
DC Resistance Unbalanced	2%
Mutual Capacitance	5.6 nF/100m
Capacitance Unbalanced	<330 pF/100m

PERFOMANCE / SPECIFICATION TABLE

Frequency (MHz)	Longitudinal Attenuation (dB/100m) Max.	NEXT (dB/100m) Min.	ACR-F (dB/100m) Min.	PSNEXT (dB/100m) Min.	PSExNEXT (dB/100m) Min.	PSExACR-F (dB/100m) Min.	Return Loss (dB/100m) Min.
1	2.1	78	78	75	67	67	
4	3.7	78	78	75	67	67	23
10	5.8	78	78	75	67	67	25
62.5	14.6	78	69.4	75	67	57.3	21.5
100	18.5	75.4	65.3	72.4	67	53.2	20.1
155	23.2	72.5	61.5	69.5	67	49.4	18.8
200	26.5	70.9	59.3	67.9	67	47.2	18
300	32.7	68.2	55.8	65.2	67	43.7	17.3
400	38	66.4	53.3	63.4	67	41.2	17.3
600	47.1	63.7	49.7	60.7	65.8	37.6	17.3
800	54.9	61.9	47.2	58.9	64	35.1	16.1
1000	61.9	60.4	45.3	57.4	62.5	33.2	15.1

Nominal velocity of propagation (NVP 70%)

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 by an accredited Giganet Partner who has installed the end-to-end Infrastructure solution.