



CAT 6 S/FTP CABLE

108-61002

Phone
+33 75 864 2169

Email
info@angnetworks.com

Log 202, 5rue Albert Thomas, 38100
Grenoble, France.



Overview

- Category: CAT. 6
- Sheath Printing: Available (if provided by manufacturer)
- Construction Type: S/FTP (Shielded and Foiled Twisted Pair)
- Suitable for reducing EMI/RFI noise in high-speed Ethernet Networks

Industry Standard

- ISO/IEC11801 2nd edition
- ANSI/TIA/EIA Cabling Standard
- TIA/EIA-568-B.2
- CENELEC EN 50173

Applications

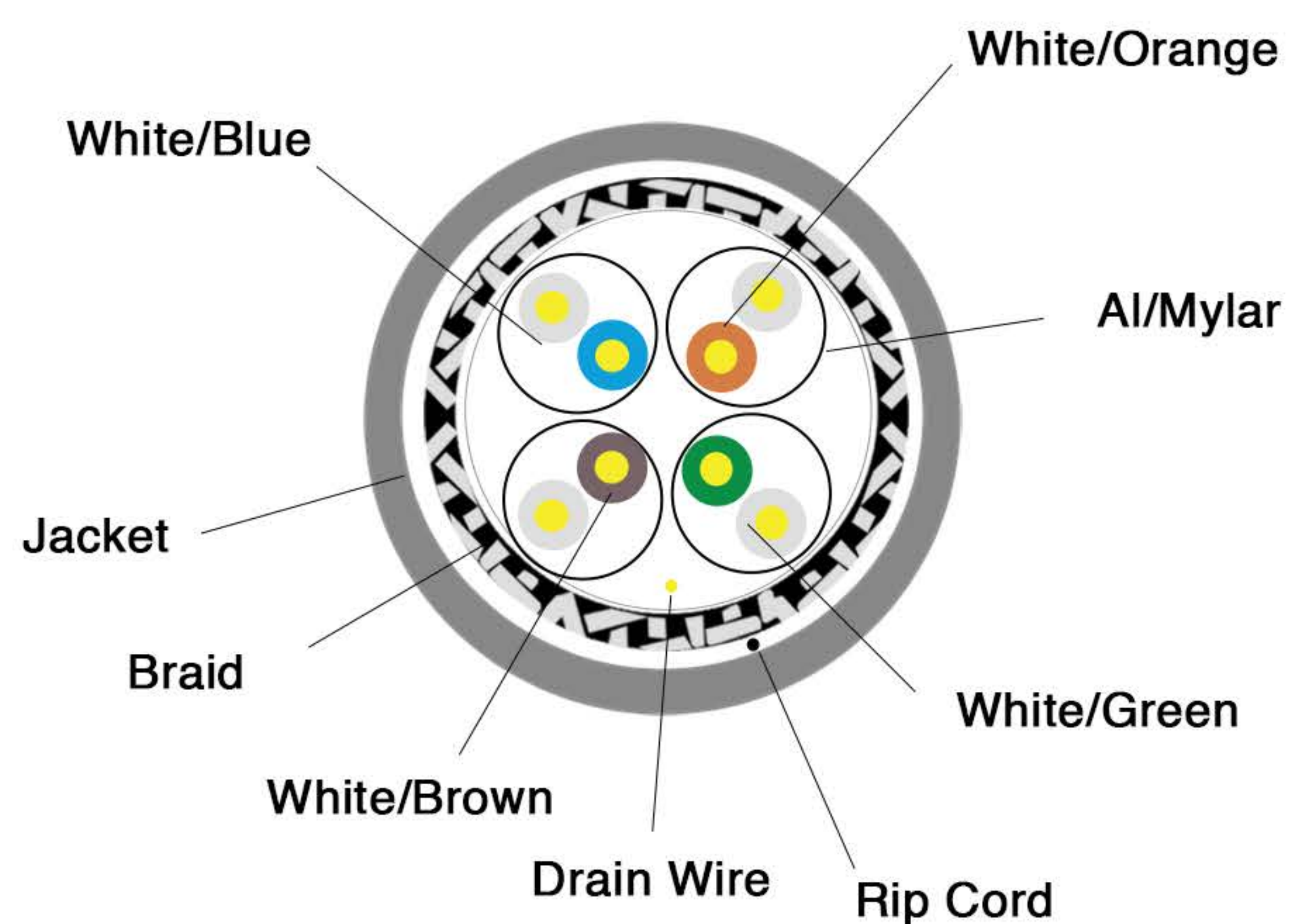
- Horizontal Cabling Above Suspended Ceilings
- Horizontal Cabling Below Raised Flooring
- Ethernet Network Cabling – EIA568

Ordering Information

Part Number	Description
108-61002	CAT. 6 S/FTP CABLE-GREY 305M

General Information

- Conductor Material: 23AWG
 - Insulation Material: PE foam
 - Diameter of Dielectric Core: 1.64±0.05mm
 - Numbers of Twist Pairs: 4 Pairs
 - Portfolio: Four Pairs of Twisted Mountain of Round Wire
 - Twisted Pair Is Wrapped in: Aluminium Foil Cover Isolator
 - Material of Jacket: PVC
 - Wire Diameter: 7.7mm ±0.2mm
 - Flame Rating: CM
 - Color: Gray
- Core Color:
1. Pair 1: Blue, White/Blue Ring
 2. Pair 2: Orange, White/Orange Ring
 3. Pair 3: Green, White/Green Ring
 4. Pair 4: Brown, White/Brown Ring
- Pair Configuration: Each pair is twisted and color-coded for easy identification.
 - Packing: The cable comes packed in a sturdy reel or box, suitable for transportation and storage. Individual packaging details such as dimensions and weight may vary based on manufacturer specifications.



PRODUCT TECHNICAL SPECIFICATION | CAT 6 S/FTP CABLE

Product Electrical Characteristics:

- Characteristic Impedance: 100 Ohm \pm 15%
- Conductor Resistance (Max.): 66.7ohm/Km at 20°C
- Resistance Unbalance (Max.): 5% Max./100m
- Mutual Coupling Capacitance: Nom 13.6pf/ft
- Insulation Resistance (Min.): 100m Ohm/Km
- Withstand Voltage: 30v

Sheath Physical Properties:

- Material: PVC
- Diameter: 7.7mm \pm 0.2mm
- Coat Elongation: Min 100%
- Coat Tensile Strength: Min 1500psi
- Flame Rating: CM
- Installation Temperature: 0°C to +50°C
- Operating Temperature: -20°C to +60°C

Technical Performance

Frequency (MHz)	Attenuation. (db/100m) \geq	NEXT (dB)	PSNEXT (db) \geq
1.0	2.03	74.31	72.31
10.0	5.95	59.31	57.31
16.0	7.55	56.25	54.25
20.0	8.47	54.80	52.80
25.0	9.51	53.35	51.35
31.25	10.67	51.89	49.89
62.5	15.38	47.38	45.38
100	19.80	44.31	42.31
200	28.98	39.80	37.80
250	32.85	38.35	36.35

HEADQUARTERS



A&G Technologies CO., Limited,
Log 202, 5rue Albert Thomas, 38100
Grenoble, France.

+33 75 864 2169

REGIONAL OFFICE



A&G Technologies (HK) CO., Limited,
Room 803, Chevalier House, 45-51 Chatham Road
South, Tsim Sha Tsui, Kowloon, Hong Kong.

+852 5420 8788

CONNECT THE FUTURE



info@angnetworks.com



www.angnetworks.com