



CAT 6 S/FTP OUTDOOR CABLE

108-62003

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Overview

- CAT.6-S/FTP
- Features individual foil shielding for each pair plus an overall braid (S/FTP), ensuring superior protection against EMI, crosstalk, and external interference.

Industry Standard

- ISO/IEC11801 2nd Edition CLASS E
- ANSI/TIA 568-C.2 Cabling Standard
- CENELEC EN 50173-1
- CENELEC EN 50288-5-1
- IEC 61156-5 for Horizontal Cable

Ordering Information

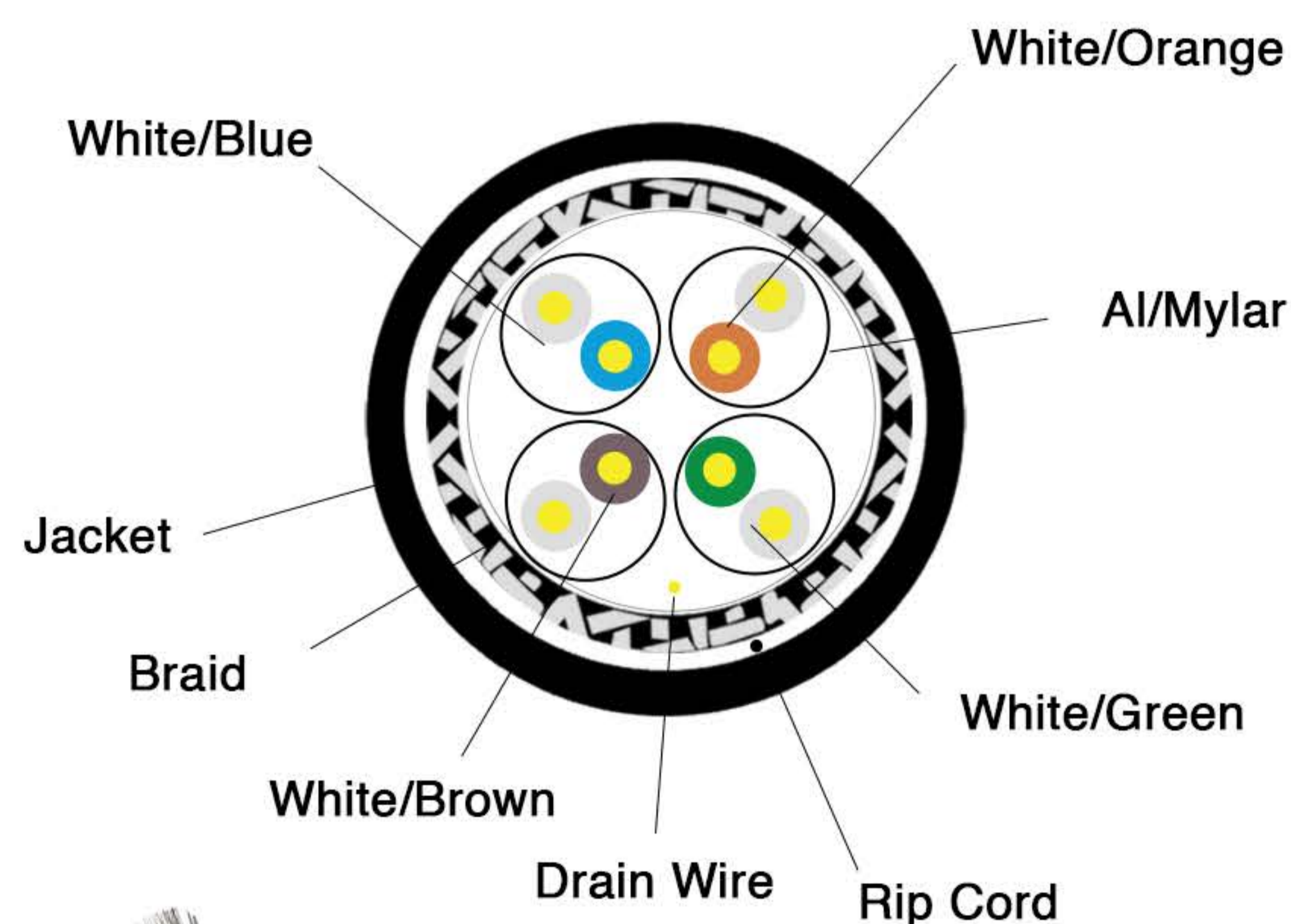
Part Number	Description
108-62003	CAT. 6 S/FTP OUTDOOR CABLE PE JACKET BLACK 305MT ROLL

General Information

- Conductor Material: Solid Bare Copper
- Insulation Material: Foam-Skin PE
- Insulation Diameter: $1.35 \pm 0.3\text{mm}$
- Inner Shielding Material: AL/Mylar
- Core Color:
 1. Blue, White/Blue Ring
 2. Orange, White/Orange Ring
 3. Green, White/Green Ring
 4. Brown, White/Brown Ring
- Jacket Material: PE
- Jacket Diameter: $7.5 \pm 0.3\text{mm}$
- Jacket Color: Black

Applications

- VOICE; T1; ISDN
- 10BASE-T (IEEE 802.3)
- 16Mbps Token Ring (IEEE802.5)
- 100VG- AnyLAN(IEEE802.12)
- 100BASE-T Ethernet (EEE802.3)
- 155/622Mbps 1.2/2.4Gbps ATM
- 1000Mbps Gigabit Ethernet
- Power Over Ethernet (POE)



PRODUCT TECHNICAL SPECIFICATION | CAT 6 S/FTP OUTDOOR CABLE

Product Electrical Characteristics:

- Conductor Resistance: Max. 9.38Ω/100m at 20°C
- DC Resistance Unbalance: Max. 5% at 20°C
- Mutual Capacitance: Max. 5.6 nF/100m at 1 kHz
- Dielectric Strength of Insulation: DC 500V/1min.
or AC 350V/1min.
- Insulation Resistance Test: Min. 5000 MΩ/Km at 20°C
- Impedance 1 ~ 100MHz: 100Ω±15%
- Impedance 100 ~ 250MHz: 100Ω±15%

Sheath Physical Properties:

- Before Aging-Jacket Unaged Elongation: Min 350%
- Min. Bending Radius: Without load 4 x Outer Diameter /
Under load 8 x Outer Diameter
- Max. Pulling Tension: 110N
- Installation Temperature: 0°C to +50°C
- Operating Temperature: -20°C to +60°C

Technical Performance

Frequency (MHz)	Attenuation. (db/100m) ≥	NEXT (dB)	PSNEXT (db) ≥
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



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