



CAT 5e S/FTP CABLE - GREY

108-51002

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Overview

- CAT5E S/FTP cable: high-performance networking solution
- Meets modern data transmission demands
- Superior materials and construction ensure reliability
- Supports efficient data transfer for diverse applications
- Category: S/FTP-CAT5E-4P-PVC-AM30

Industry Standard

- ISO/IEC11801
- TIA-568-C.2

Applications

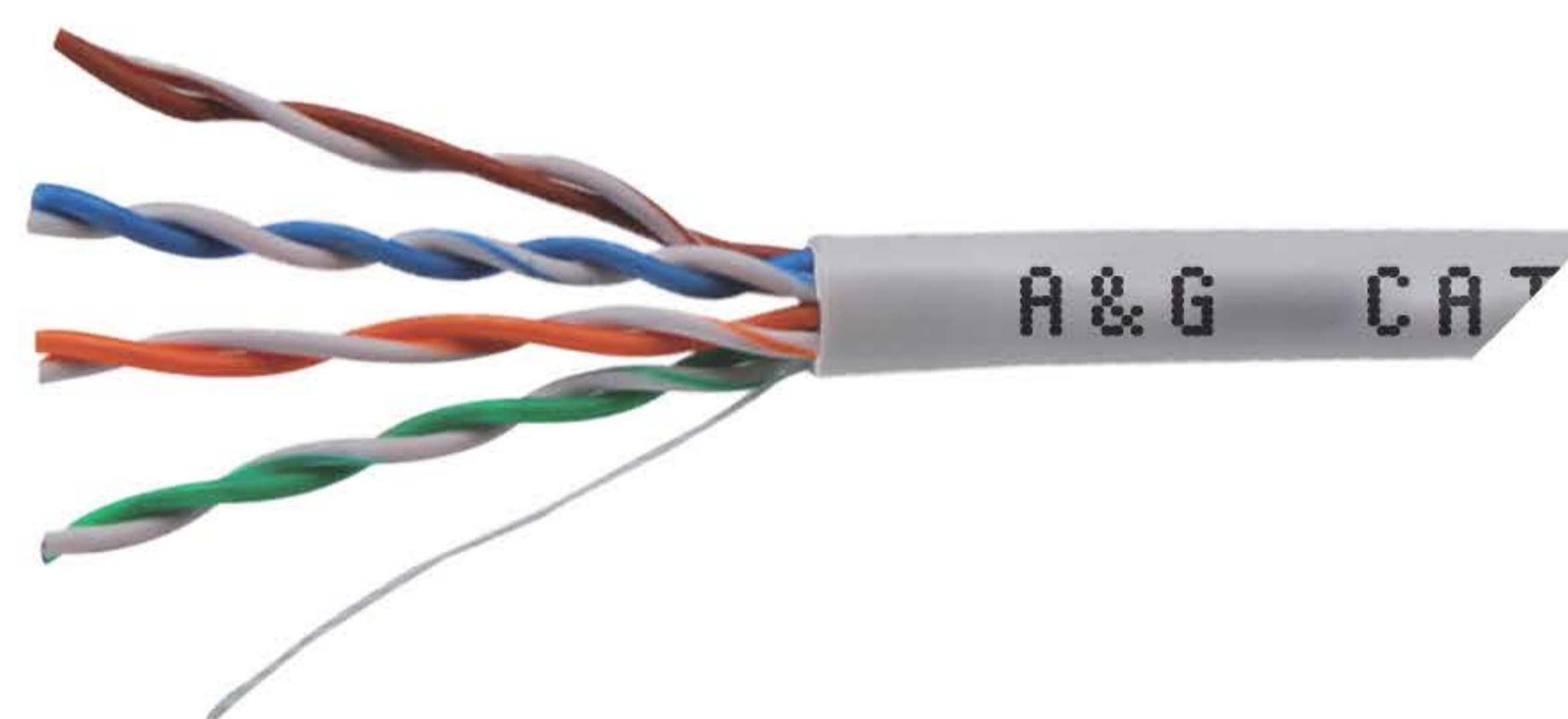
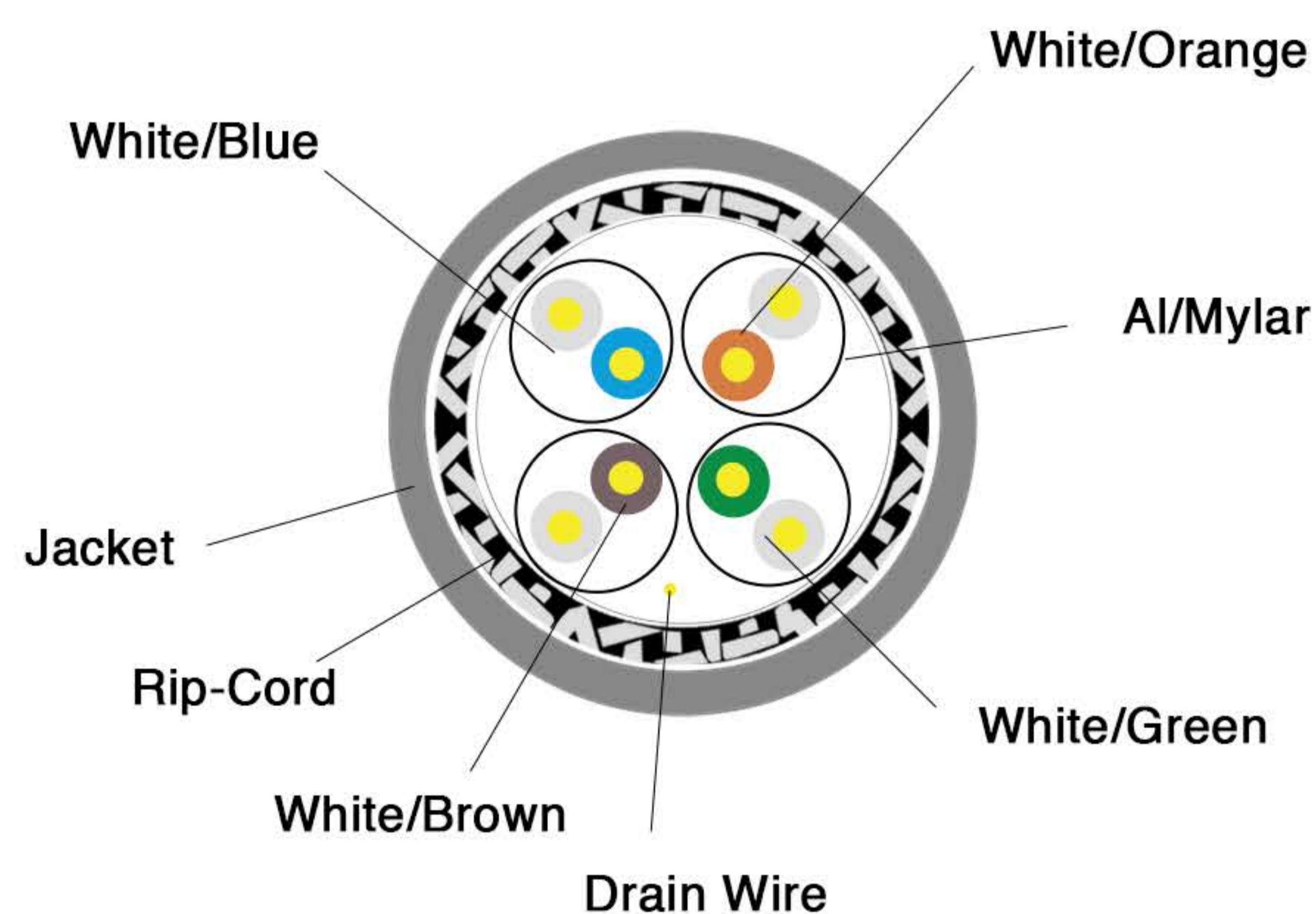
- Horizontal Cabling Above Suspended Ceilings
- Horizontal Cabling Below Raised Flooring
- Ethernet Network Cabling – EIA568

Ordering Information

Part Number	Description
108-51002	CAT. 5e S/FTP CABLE - GREY

General Information

- Conductor Material: Solid Bare Copper
- Nominal Conductor Outer Diameter: 0.500mm
- Insulation Material: Skin-foam-skin PE
- Insulation Diameter: 1.19 ± 0.05 mm
- Inner Screening Material: Al/Mylar
- Drain Wire: Yes
- Outer Screening Material: Aluminum-magnesium alloy
- Outer Screening Thickness: 0.12mm
- Outer Screening Coverage: $\geq 30\%$
- Sheath Material: PVC (complies with RoHS)
- Sheath Thickness: 0.55 ± 0.05 mm
- External Outer Diameter: 7.3 ± 0.5 mm
- Core Color Coding:
 1. Pair 1: White/Blue
 2. Pair 2: White/Orange
 3. Pair 3: White/Green
 4. Pair 4: White/Brown
- Packing: 305 ± 1.5 m on Drum, Wooden Tray dimensions according to requirements
- Rip-cord: Yes



PRODUCT TECHNICAL SPECIFICATION | CAT 5e S/FTP CABLE - GREY

Product Electrical Characteristics:

- Frequency Range: 1.0-250.0MHz
 1. Impedance (Ω): 100 \pm 15
 2. Delay Skew (ns/100m): \leq 45
- Unbalanced-to-ground Capacitance (pf/100m): max 330
- DC Resistance (Ω /100m): max 9.38
- DC Conductor Resistance Unbalance (%): max 5.0

Sheath Physical Properties:

- Before Aging: Tensile Strength \geq 13.5 Mpa, Elongation \geq 150%
- After Aging (100°Cx24hx7d): Tensile Strength \geq 12.5 Mpa, Elongation \geq 125%
- Cold Bend (-20 \pm 2°Cx4h): No visible cracks, 8xCable O.D.
- Installation Temperature: 0°C to +50°C
- Operating Temperature: -20°C to +60°C

Technical Performance (<80m)

Frequency (MHz)	RL (\geq dB)	Attenuation (\leq dB)	NEXT (\geq dB)	Delay (\leq ns)
3.0	19.0	3.8	60.0	521
4.0	19.0	3.9	54.8	504
8.0	19.0	5.5	50.0	500
10.0	19.0	6.2	48.5	498
16.0	19.0	7.9	45.2	496
20.0	19.0	8.9	43.7	495
25.0	18.0	10.0	42.1	495
31.25	17.1	11.2	40.5	494
62.5	14.1	16.2	35.7	492
100	12.0	21.0	32.3	491

HEADQUARTERS



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CONNECT THE FUTURE



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