

CAT 8 S/FTP CABLE LSZH SHEATH

108-81001

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Overview

- Category: CAT8 S/FTP
- Sheath Printing: TBD
- Suitable for high-speed networking applications
- Ideal for industrial and commercial installations

Industry Standard

- ISO/IEC 61156-5
- EN 50173-1
- EN 50288-4

Applications

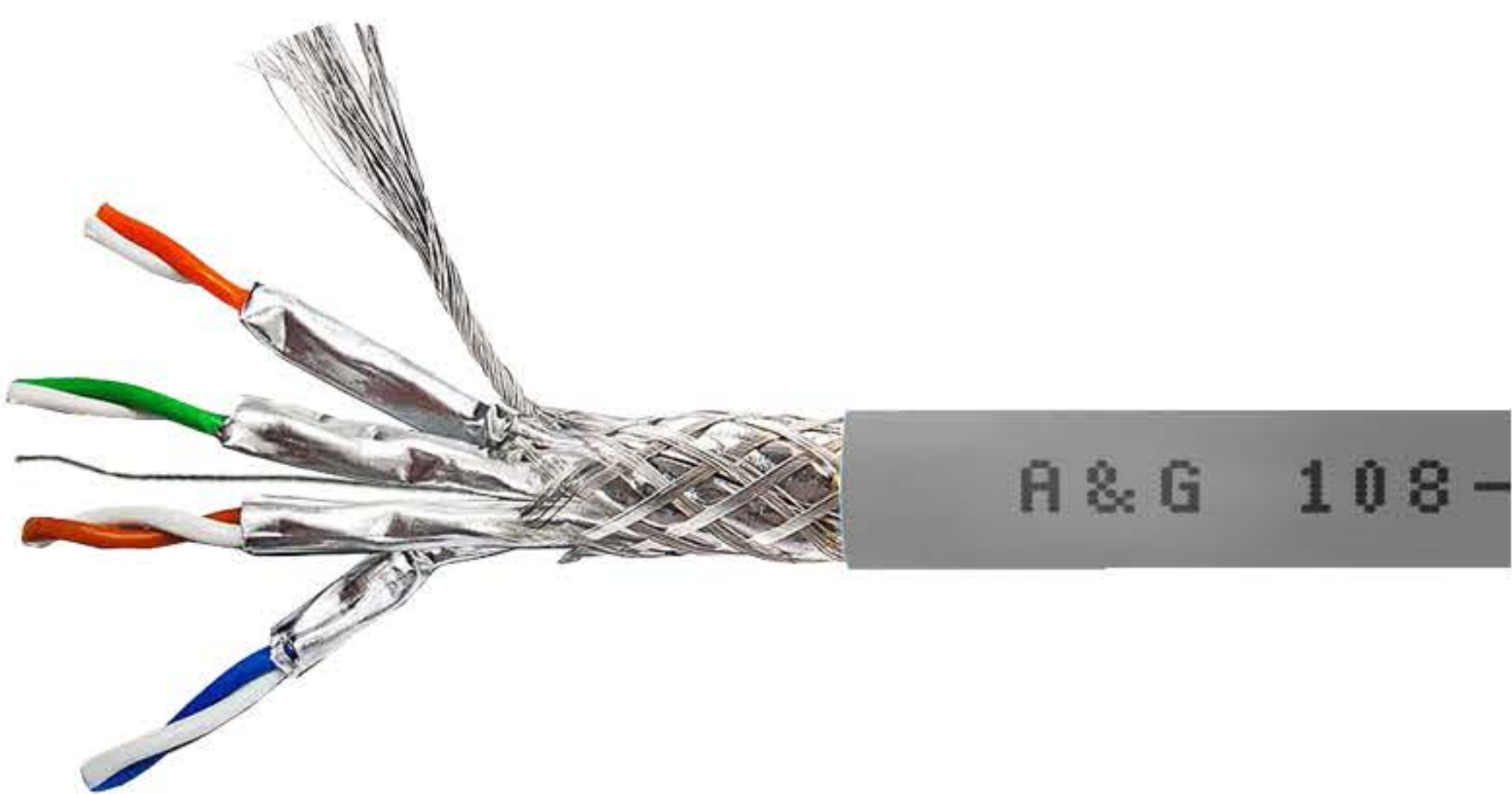
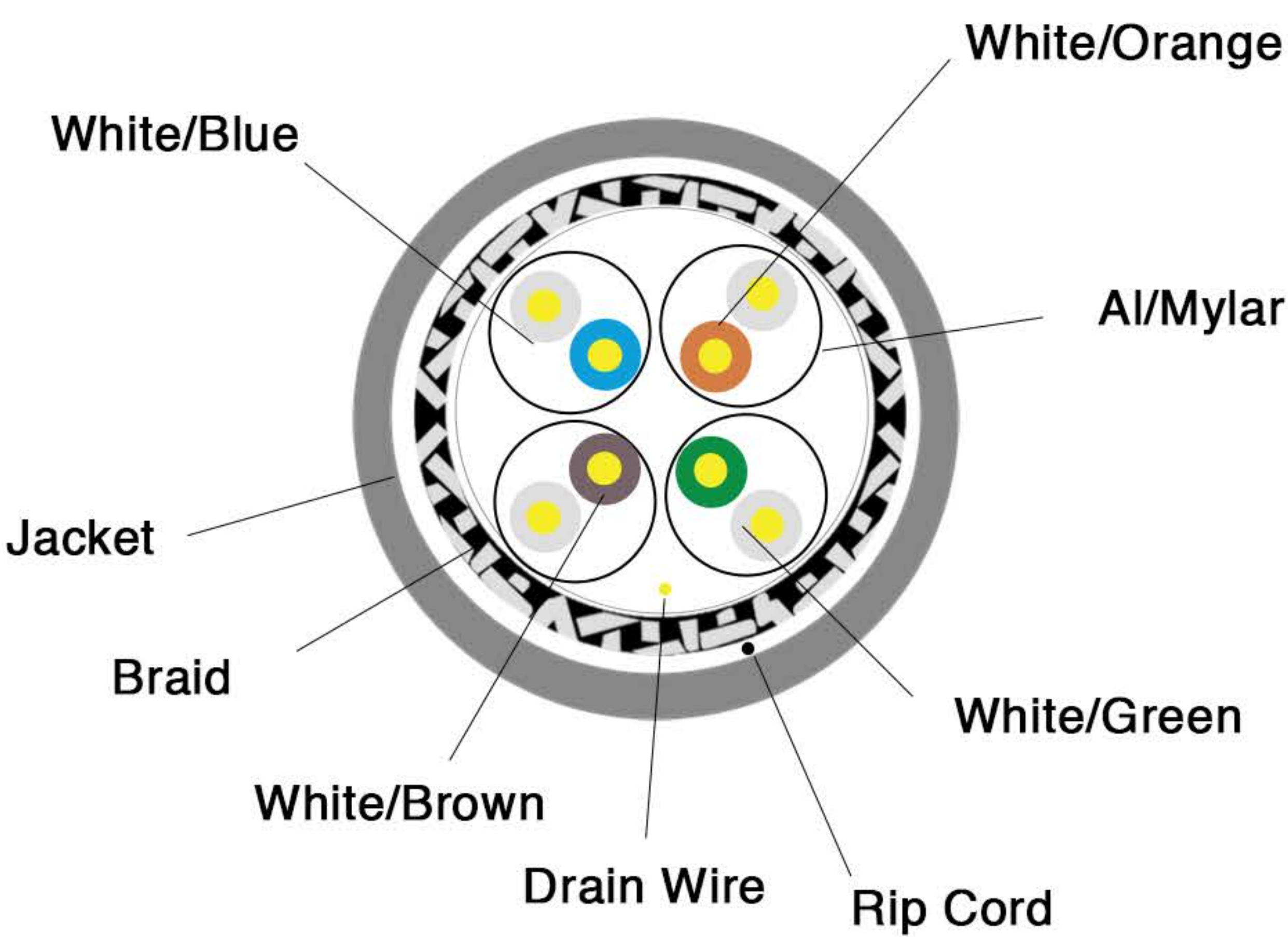
- Server to server connections and Data Centers
 - Horizontal Cabling Above Suspended Ceilings
 - Horizontal Cabling Below Raised Flooring
- Ethernet Network Cabling – EIA568

Ordering Information

Part Number	Description
108-81001	CAT 8 S/FTP CABLE LSZH SHEATH

General Information

- Conductor Material: Solid Bare Copper
- Insulation Material: Skin-Foam-Skin PE
- Inner Screening: Aluminum/Mylar
- Outer Screening: Tinned Copper
- Sheath Thickness: 0.55±0.05mm (Avg.)
- External O.D.: 8.0±0.5mm
- Surface Clean Material: LSZH (complies RoHS), IEC60332-1
- Surface Printing:
- Letter Height: 3.0±0.3mm
- Color: Black
- Print Error & Space: ≤±0.5%, 1m
- Core Color:
 1. White/Blue
 2. White/Orange
 3. White/Green
 4. White/Brown
- Packing: Drum, Wooden Tray
- Packing Length: 30±0.3m; 100±0.5m; 305±1.5m; 500±5m; 1000±10m
- Rip-Cord: Yes



PRODUCT TECHNICAL SPECIFICATION | CAT 8 S/FTP CABLE LSZH SHEATH

Product Electrical Characteristics:

- Impedance: (1-100MHz): 100±15Ω, (100-250MHz): 100±18Ω
(250-1000MHz): 100±25Ω
- Delay Skew: ≤25 ns/100m
- Velocity of Propagation: ≤78%
- Unbalanced to Ground Capacitance: ≤120 pf/100m
- DC Resistance: ≤9.5Ω/100m
- DC Conductor Resistance Unbalance: ≤2.0%

Sheath Physical Properties:

- Before Aging: Tensile Strength: ≥10.0 Mpa
Elongation: ≥125%
- Aging Period: 100°Cx24h×7d
- After Aging: Tensile Strength: ≥8.0 Mpa
Elongation: ≥100%
- Cold Bend: -20±2°C×4h, 8xCable O.D. No visible cracks
- Installation / Storage Temperature: 0°C to +50°C
- Operating Temperature: -20°C to +60°C

Technical Performance (100m)

Frequency (MHz)	RL (≥dB)	Attenuation (≤dB)	NEXT (≥dB)	Delay (≤ns)
1	19.0	3.0	65.0	62.0
4.0	19.0	3.0	63.8	60.5
8.0	19.0	3.0	58.9	55.6
10.0	19.0	3.0	57.3	54.0
16.0	18.0	3.0	53.9	50.6
20.0	17.5	3.0	52.3	49.0
25.0	17.0	3.2	50.7	47.3
31.25	16.5	3.6	49.1	45.7
62.5	16.0	5.1	44.0	40.6
100	16.0	6.5	40.5	37.1
200	14.3	9.3	35.3	31.9
250	13.4	10.4	33.6	30.2
300	12.7	11.5	32.3	28.8
400	11.6	13.3	30.1	26.6
500	10.7	15.0	27.9	24.8
600	10.0	16.5	25.7	22.7
1000	8.0	22.0	19.3	16.5
1500	8.0	22.7	13.9	11.2
2000	8.0	32.7	9.8	7.3

Frequency (MHz)	ACR-F (≥dB)	PS ACR-F (≤dB)	ACR-N (≥dB)	PS ACR-N (≥dB)
1.0	65.0	62.0	62.0	59.0
4.0	59.9	56.9	60.8	57.5
8.0	53.9	50.9	55.9	52.6
10.0	52.0	49.0	54.3	51.0
16.0	47.9	44.9	50.9	47.6
20.0	45.9	42.9	49.3	46.0
25.0	44.0	41.0	47.5	44.1
31.25	42.1	39.1	45.5	42.1
62.5	36.0	33.0	38.9	35.5
100	32.0	29.0	34.0	30.6
200	25.9	22.9	26.0	22.6
250	24.0	21.0	23.2	19.7
300	22.4	19.4	20.8	17.3
400	19.9	16.9	16.8	13.2
500	18.0	15.0	12.9	9.9
600	16.4	13.4	9.2	6.2
1000	12.0	9.0	-2.6	-5.5
1500	8.4	5.4	-13.8	-16.4
2000	5.9	2.9	-22.9	-25.3