

CAT 7 S/FTP CABLE LSZH SHEATH

108-72001

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Overview

- Category: S/FTP-CAT7-4P- LSZH-TC30
- Sheath Printing: TBD
- Construction Type: S/FTP (Shielded and Foiled Twisted Pair)
- Suitable for high-speed data transmission in networking applications.

Industry Standard

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

Applications

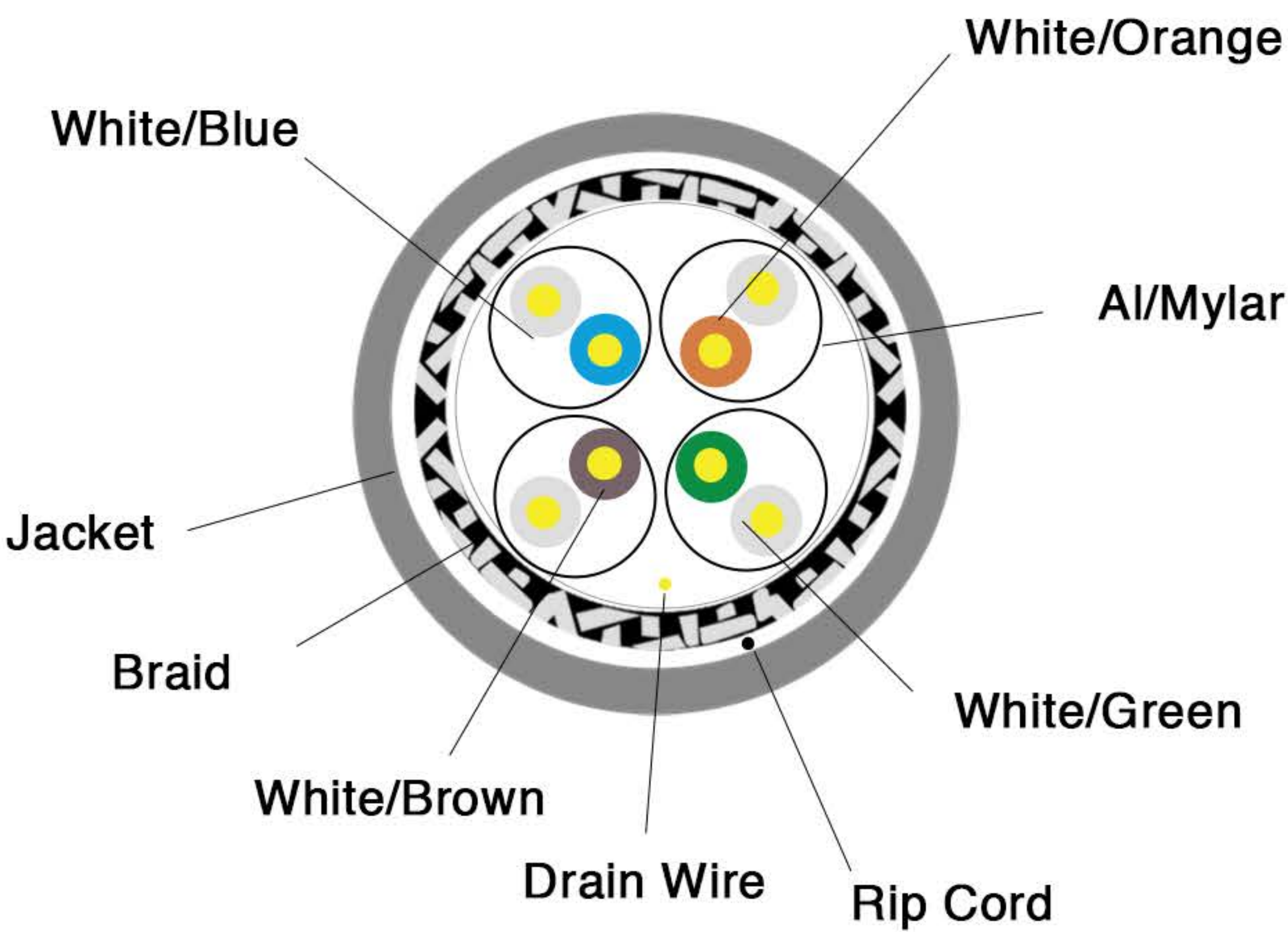
- Horizontal Cabling Above Suspended Ceilings
- Horizontal Cabling Below Raised Flooring
- Ethernet Network Cabling – EIA568

Ordering Information

Part Number	Description
108-72001	CAT 7 S/FTP CABLE LSZH SHEATH

General Information

- Conductor Material: Solid Bare Copper
- Nominal Outer Diameter (OD) of Conductor: 0.560mm (up +0.005, down -0.005)
- Insulation Material: Skin-Foam-Skin PE
- Insulation Diameter: 1.330±0.05mm
- Inner Screening Material: AL/Mylar
- Outer Screening Material: Tinned Copper (0.10mm)
- Sheath Thickness: 0.55±0.05 mm (Avg.)
- External OD: 7.6±0.5 mm
- Sheath Material: LSZH (Low Smoke Zero Halogen)
- Surface Clean Material: LSZH (complies RoHS)
- Surface Printing: Letter height 3.0±0.3mm, Color Black, Print error & Space ±0.5%, 1m
- Core Color:
 1. Pair 1: White /Blue
 2. Pair 2: White/Orange
 3. Pair 3: White/Green
 4. Pair 4: White/Brown
- Packing: Wooden Tray, Dimension According to the requires,
- Packing length 305±1.5m
- Rip-cord Yes



PRODUCT TECHNICAL SPECIFICATION | CAT 7 S/FTP CABLE LSZH SHEATH

Product Electrical Characteristics:

- Impedance (Ω): 100±15Ω (1-100MHz)100±18Ω (100-250MHz), 100±25Ω (250-1000MHz)
- Delay Skew: ≤25 ns/100m
- Velocity of Propagation: ≤74%
- Unbalanced to Ground Capacitance: ≤330 pf/100m
- DC Resistance: ≤9.38 Ω/100m
- DC Conductor Resistance Unbalance: ≤2.0%

Sheath Physical Properties:

- Before Aging:Tensile Strength: ≥10.0 MPa
Elongation: ≥125%
- Aging Period: 100°Cx24hx7d
- After Aging: Tensile Strength: ≥8.0 MPa, Elongation: ≥100%
- Cold Bend: -20±2°Cx4h, 8xCable O.D. No visible cracks
- Installation 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	20.0	-	78.0	570.0
4.0	23.0	3.74	78.0	552.0
8.0	24.5	5.24	78.0	546.7
10.0	25.0	5.86	78.0	545.4
16.0	25.0	7.41	78.0	543.0
20.0	25.0	8.29	78.0	542.0
25.0	24.3	9.29	78.0	541.2
31.25	23.6	10.41	78.0	540.4
62.5	21.5	14.88	75.5	538.6
100	20.1	19.02	72.4	537.6
200	18.0	27.47	67.9	536.5
250	17.3	30.97	66.4	536.3
300	17.3	34.19	65.2	536.1
600	17.3	50.10	60.7	535.5
700	14.2	54.63	59.7	535.4
1000	13.1	66.93	57.3	535.1

Frequency (MHz)	PSNEXT (db) ≥	ELFEXT (dB) ≥	PSELFEXT (dB) ≥
1	75.0	78.0	75.0
4	75.0	78.0	75.0
8	75.0	75.9	72.9
10	75.0	74.0	71.0
16	75.0	69.9	66.9
20	75.0	68.0	65.0
25	75.0	66.0	63.0
31.25	75.0	64.1	61.1
62.5	72.5	58.1	55.1
100	69.4	54.0	51.0
200	64.9	48.0	45.0
250	63.4	46.0	43.0
300	62.2	44.5	41.5
600	57.7	38.4	35.4
700	56.7	37.1	34.1
1000	54.4	34.0	31.0