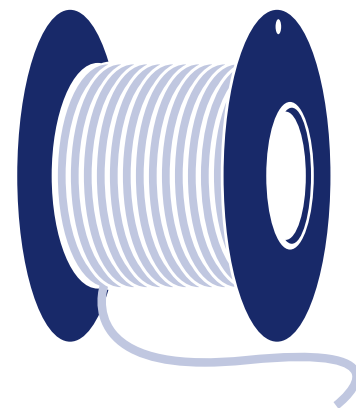


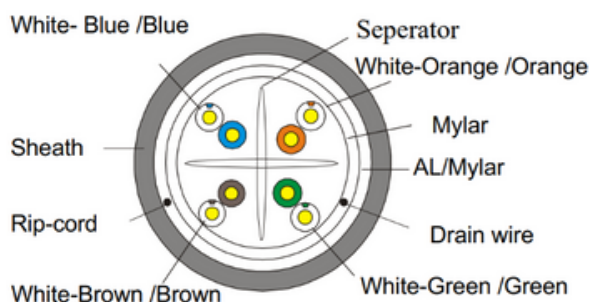
Product Specifications

Product: ZYBRNET CAT.7A 4PR 23AWG SOLID S/FTP

- **Sheath Printing:** ZYBRNET CAT.7A 4PR 23AWG SOLID S/FTP PE 75°C UV RESISTANCE YYMMDD PRESTAQ ***M (0001M, 0002M, 0003M, 0004M.....0500M).
- **Category:** S/FTP-CAT7A-4P-PE-AM40
- **Reference Standard:** ISO/IEC 61156-5;EN 50288-4



Product figure



Out Jacket Physical Properties

- Before Aging
Tensile Strength (Mpa) | ≥ 10.0 (Elongation (%) ≥ 350)
- Aging Period ($^{\circ}\text{C} \times \text{hrs}$) $100^{\circ}\text{C} \times 24\text{h} \times 10\text{d}$
- After Aging | Elongation (%) | ≥ 300
- Cold bend ($-20 \pm 2^{\circ}\text{C} \times 4\text{h}$) $8 \times \text{Cable O.D.}$, No visible cracks

Technical Performance (100m)

Frequency (MHz)	RL $\geq \text{dB}$	ATT $\leq \text{dB}$	NEXT $\geq \text{dB}$	PHASE DELAY $\leq \text{ns}$
1.0	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
150	18.9	23.56	69.8	536.9
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 $\geq \text{dB}$	ELFEXT $\geq \text{dB}$	PSELFEXT $\geq \text{dB}$
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
150	66.8	50.2	47.2
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



Electrical characteristics

Conductor

- Material: SOLID-Bare Copper
- Nom. O.D. (mm): 0.580 (Up +0.005 | Down -0.005)

Insulation

- Material: Skin-foam-skin PE
- Diameter: 1.350±0.05 mm

Color

- 1. White/Blue | 2. White/Orange | 3. White/Green | 4. White/Brown

Inner Screening Material

- Al/Mylar | Drain wire: Yes

Outer Screening Material

- Aluminum-magnesium alloy | Coverage ≥40%

Sheath

- Thickness: 0.55±0.05 mm
- External O.D.: 7.8±0.5 mm
- Surface: Clean
- Material: LDPE(complies RoHS)
- Color: Black

Surface Printing

- Letter height: 3.0±0.3mm
- Color: White
- Print error & Space: ≤±0.5%, 1m

Packing

- Drum

Electrical Characteristics (20°C)

- Impedance(Ω) : (1-100MHz) 100±15Ω
- (100-250MHz) 100±18Ω
- (250-1000MHz) 100±25Ω
- Delay Skew (ns/100m) ≤25
- Velocity of Propagation (%) 74
- unbalanced-to-ground capacitance (pf/100m) max 330
- DC Resistance (Ω/100m) max 9.38
- DC Conductor Resistance Unbalanc (%) max 2.0

Wooden Tray dimension

- According to the requires

Packing length

- 500±1.5m

Rip-cord

- Yes

Date	Version	change Description
Jan 7, 2026	V.0	First release

