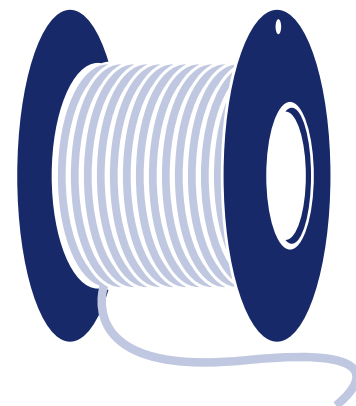


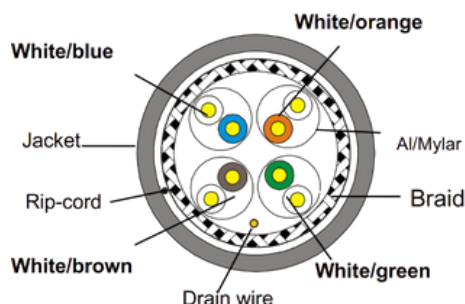
Product Specifications

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

- **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



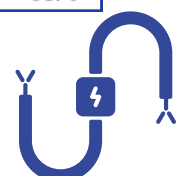
Sheath Physical Properties

- 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 ($-20 \pm 2^{\circ}\text{C} \times 4\text{h}$) 8xCable 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 A. White/Blue B. White/Orange C. White/Green D. White/Brown
Inner Screening Material Al/Mylar Drain wire: Yes

Sheath - Thickness: 0.55±0.05 mm - External O.D.: 7.8±0.5 mm - Surface: Clean - Material: LDPE(complies RoHS) - Color: Black	Packing Wooden Drum
Surface Printing - Letter height: 3.0±0.3mm - Color: White - Print error & Space: ≤±0.5%, 1m	Wooden Tray dimension According to the requires
Electrical Characteristics (20°C) - 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	Packing length 500±1.0m Outer Screening Material - Aluminum-magnesium alloy Coverage ≥40% Rip-cord - Yes

Date	Version	change Description
Aug 25, 2017	V.0	First release
Feb 25, 2022	V.1	Add the marking A/02

