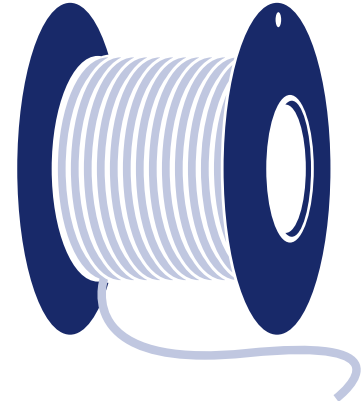


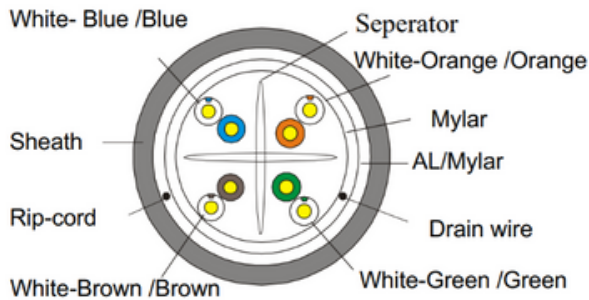
Product Specifications

Product: ZYBRNET CAT.6A 4PR 23AWG SOLID F/UTP

- **Sheath Printing:** ZYBRNET CAT.6A 4PR 23AWG SOLID F/UTP PE 75°C UV RESISTANCE YYMMDD PRESTAQ ***M (0001M, 0002M, 0003M, 0004M.....0500M).
- **Category:** F/UTP CAT6A-4P-PE
- **Reference Standard:** ISO/IEC11801, TIA-568-C.2



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 Cable O.D., No visible cracks

Technical Performance (100m)

Technical Performance (100m):				
Frequency (MHz)	RL \geq dB	ATT \leq dB	NEXT \geq dB	PHASE DELAY \leq ns
1	20.0	—	74.3	570.0
4.0	23.0	3.8	65.3	552.0
8.0	24.5	5.3	60.8	546.7
10.0	25.0	5.9	59.3	545.4
16.0	25.0	7.5	56.2	543.0
20.0	25.0	8.4	54.8	542.1
25.0	24.3	9.4	53.3	541.2
31.25	23.6	10.5	51.9	540.4
62.5	21.5	15.0	47.4	538.6
100	20.1	19.1	44.3	537.6
200	18.0	27.6	39.8	536.5
250	17.3	31.1	38.3	536.3
300	16.8	34.3	37.1	536.1
500	15.2	45.3	33.8	535.6

Frequency (MHz)	PSNEXT \geq dB	ELFEXT \geq dB	PSELFEXT \geq dB
1	72.3	68.0	65.0
4	63.3	56.0	53.0
8	58.8	49.9	46.9
10	57.3	48.0	45.0
16	54.2	43.9	40.9
20	52.8	42.0	39.0
25	51.3	40.0	37.0
31.25	49.9	38.1	35.1
62.5	45.4	32.1	29.1
100	42.3	28.0	25.0
200	37.8	22.0	19.0
250	36.3	20.0	17.0
300	35.1	18.5	15.5



Electrical characteristics

Conductor

- Material: SOLID-Bare Copper
- Nom. O.D. (mm): 0.565 (Up +0.01 | Down -0.01)

Insulation 1

- Material: PE
- Diameter: 1.10±0.08mm

Insulation 2

- Material: PE
- Diameter: 1.20±0.08 mm

Color

- A.White- Blue /Blue | B.White-Orange /Orange | C.White- Green /Green | D.White- Brown /Brown

Sheath

- Thickness: 0.55±0.05mm
- External O.D.: 7.4±0.4 mm
- Surface: Clean, Frap, Satiation
- Material: LDPE (complies RoHS)
- Color: Black

Surface Printing

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

Electrical Characteristics (20°C)

- Impedance(Ω) 1.0-250.0MHz 100±15 | 250.0-500.0MHz 100±22
- 1.0-500.0MHz Delay Skew (ns/100m) ≤45
- Unbalanced-to-ground capacitance (pf/100m) max 330
- DC Resistance (Ω/100m) max 9.38
- DC Conductor Resistance Unbalance (%) max 5.0

Packing

- Drum

Wooden Tray dimension

- According to the requires

Packing length

- 500±1.5m

Rip-cord

- Yes

Drain wire

- Yes



Date	Version	change Description
Jan 6, 2026	V.0	First release

