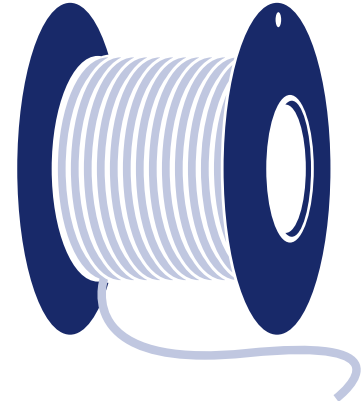


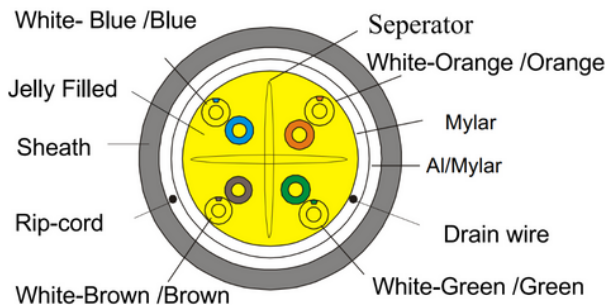
## Product Specifications

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

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



### Product figure



### Out Jacket Physical Properties

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

### Technical Performance (100m)

FLUKE channel Technical Performance ( $\leq 90\text{m}$ ) :				
Frequency (MHz)	RL $\geq \text{dB}$	ATT $\leq \text{dB}$	NEXT $\geq \text{dB}$	DELAY $\leq \text{ns}$
1	19.0	2.3	65.0	
4.0	19.0	4.2	63.0	
8.0	19.0	5.8	58.2	
10.0	19.0	6.5	56.6	
16.0	18.0	8.2	53.2	555
20.0	17.5	9.2	51.6	
25.0	17.0	10.2	50.0	
31.25	16.5	11.5	48.4	
62.5	14.0	16.4	43.4	
100	12.0	20.9	39.9	
200	9.0	30.1	34.8	
250	8.0	33.9	33.1	
400	6.0	43.7	28.7	
500	6.0	49.3	26.1	

Frequency (MHz)	PSNEXT $\geq \text{dB}$	ACRF $\geq \text{dB}$	PSACRF $\geq \text{dB}$
1	62.0	63.3	60.3
4	60.5	51.2	48.2
8	55.6	45.2	42.2
10	54.0	43.3	40.3
16	50.6	39.2	36.2
20	49.0	37.2	34.2
25	47.3	35.3	32.3
31.25	45.7	33.4	30.4
62.5	40.6	27.3	24.3
100	37.1	23.3	20.3
200	31.9	17.2	14.2
250	30.2	15.3	12.3
400	25.8	11.2	8.2
500	23.2	9.3	6.3



## 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: 0.60±0.05mm
- External O.D.: 7.8±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)

- Delay Skew (ns/100m) ≤45
- Velocity of Propagation (%) 68
- unbalanced-to-ground capacitance (pf/100m) max 330
- DC Resistance (Ω/100m) max 9.5
- 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

