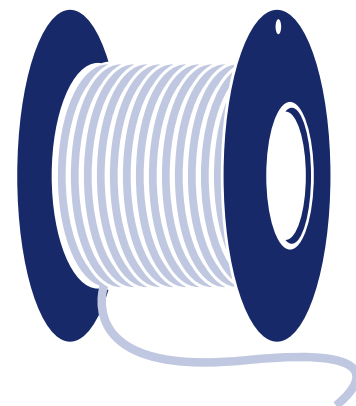


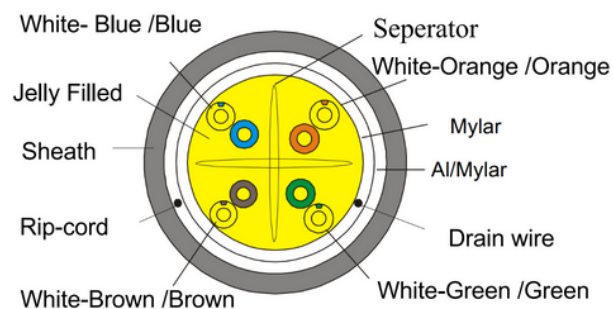
## Product Specifications

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

- **Sheath Printing:** ZYBRNET CAT.6 4PR 23AWG SOLID F/UTP JELLY FILLED PE 75°C UV RESISTANCE YYMMDD PRESTAQ \*\*\*M (0001M, 0002M, 0003M, 0004M.....0500M).
- **Category:** F/UTP- ZST CAT6-4P-PE
- **Reference Standard:** ISO/IEC11801, ANSI/TIA-568.2-D



### 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 Permanent Link Technical Performance ( $\leq 85\text{m}$ ) |                     |                      |                       |                        |
|------------------------------------------------------------------|---------------------|----------------------|-----------------------|------------------------|
| Frequency (MHz)                                                  | RL $\geq \text{dB}$ | ATT $\leq \text{dB}$ | NEXT $\geq \text{dB}$ | DELAY $\leq \text{ns}$ |
| 1                                                                | 19.1                | 3.0                  | 65.0                  | 521                    |
| 4.0                                                              | 21.0                | 3.5                  | 64.1                  | 504                    |
| 8.0                                                              | 21.0                | 5.0                  | 59.4                  | 500                    |
| 10.0                                                             | 21.0                | 5.5                  | 57.8                  | 498                    |
| 16.0                                                             | 20.0                | 7.0                  | 54.6                  | 496                    |
| 20.0                                                             | 19.5                | 7.9                  | 53.1                  | 495                    |
| 25.0                                                             | 19.0                | 8.9                  | 51.5                  | 495                    |
| 31.25                                                            | 18.5                | 10.0                 | 50.0                  | 494                    |
| 62.5                                                             | 16.0                | 14.4                 | 45.1                  | 492                    |
| 100                                                              | 14.0                | 18.6                 | 41.8                  | 491                    |
| 200                                                              | 11.0                | 27.4                 | 36.9                  | 490                    |
| 250                                                              | 10.0                | 31.1                 | 35.3                  | 490                    |

| Frequency (MHz) | PSNEXT $\geq \text{dB}$ | ELFEXT $\geq \text{dB}$ | PSELFEXT $\geq \text{dB}$ |
|-----------------|-------------------------|-------------------------|---------------------------|
| 1               | 62.0                    | 64.2                    | 61.2                      |
| 4               | 61.8                    | 52.1                    | 49.1                      |
| 8               | 57.0                    | 46.1                    | 43.1                      |
| 10              | 55.5                    | 44.2                    | 41.2                      |
| 16              | 52.2                    | 40.1                    | 37.1                      |
| 20              | 50.7                    | 38.2                    | 35.2                      |
| 25              | 49.1                    | 36.2                    | 33.2                      |
| 31.25           | 47.5                    | 34.3                    | 31.3                      |
| 62.5            | 42.7                    | 28.3                    | 25.3                      |
| 100             | 39.3                    | 24.2                    | 21.2                      |
| 200             | 34.3                    | 18.2                    | 15.2                      |
| 250             | 32.7                    | 16.2                    | 13.2                      |



Electrical characteristics

Conductor

- Material: SOLID-Bare Copper
- Nom. O.D. (mm): 0.550 (Up +0.005 | Down -0.005)

Insulation 1

- Material: HDPE
- Diameter: 1.10±0.08mm

Color

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

Screening Material

- Mylar +Al/Mylar

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
- unbalanced-to-ground capacitance (pf/100m) max 330
- DC Resistance (Ω/100m) max 9.5
- DC Conductor Resistance Unbalance (%) max 5.0

Packing

- Wooden Tray & Carton

Wooden 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      |

