



### Features

- Construction: F/UTP
- Conductor: 23 AWG, Solid-Bare Copper
- Standard: ISO/IEC11801, TIA-568.2-E
- ISO9001 Certified Manufacturing Plant



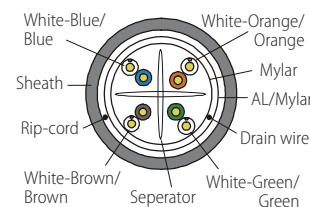
### Specifications

| ModelC6AFU_LSZH                       |                     |                      |                                      |                  |                                                       |                     |
|---------------------------------------|---------------------|----------------------|--------------------------------------|------------------|-------------------------------------------------------|---------------------|
| Construction                          |                     | F/UTP                | Sheath                               | Tensile Strength | ≥ 8 Mpa                                               |                     |
| Conductor                             | Material            | Solid-Bare Copper    | Physical Properties<br>(After Aging) | Elongation       | ≥ 100 %                                               |                     |
|                                       | Nom.O.D.            | 0.565 ± 0.005 mm     |                                      | Cold Bend        | -20 ± 2 °C x 4h, 8 x Cable O.D.,<br>No visible cracks |                     |
| Insulation                            | Material & Diameter |                      | Electrical Characteristics<br>(20°C) | Impedance        | 1 - 250 MHz: 100 Ω ± 15 Ω                             |                     |
| Screening Material                    |                     | Mylar + AL / Mylar   |                                      |                  | 250 - 500 MHz: 100 Ω ± 22 Ω                           |                     |
| Sheath                                | Thickness           | 0.60 ± 0.05 mm       |                                      |                  | Delay Skew                                            | ≤ 45 ns / 100 m     |
|                                       | External O.D.       | 7.4 ± 0.4 mm         |                                      |                  | Unbalanced-to-ground capacitance                      | Max. 330 pf / 100 m |
|                                       | Material            | LSZH (Complies RoHS) |                                      |                  | DC Resistance                                         | Max. 9.38 Ω / 100 m |
| Rip-cord & Drain wire                 |                     | Yes                  |                                      |                  | DC Conductor Resistance Unbalance                     | Max. 5.0 %          |
| Sheath                                | Tensile Strength    | ≥ 10.0 Mpa           |                                      |                  | Length                                                |                     |
| Physical Properties<br>(Before Aging) | Elongation          | ≥ 125 %              |                                      |                  |                                                       |                     |
|                                       | Aging Period        | 100 °C x 24h x 7d    |                                      |                  |                                                       |                     |

| Electric Performance | Frequency (MHz) | Return Loss ( $\geq$ dB) | Attenuation ( $\leq$ dB) | NEXT ( $\geq$ dB) | PHASE DELAY ( $\leq$ ns) | PSNEXT ( $\geq$ dB) | ELFEXT ( $\geq$ dB) | PSELFEXT ( $\geq$ dB) |
|----------------------|-----------------|--------------------------|--------------------------|-------------------|--------------------------|---------------------|---------------------|-----------------------|
|                      | 1               | 20.0                     | ---                      | 74.3              | 570.0                    | 72.3                | 68.0                | 65.0                  |
|                      | 4               | 23.0                     | 3.8                      | 65.3              | 552.0                    | 63.3                | 56.0                | 53.0                  |
|                      | 8               | 24.5                     | 5.3                      | 60.8              | 546.7                    | 58.8                | 49.9                | 46.9                  |
|                      | 10              | 25.0                     | 5.9                      | 59.3              | 545.4                    | 57.3                | 48.0                | 45.0                  |
|                      | 16              | 25.0                     | 7.5                      | 56.2              | 543.0                    | 54.2                | 43.9                | 40.9                  |
|                      | 20              | 25.0                     | 8.4                      | 54.8              | 542.1                    | 52.8                | 42.0                | 39.0                  |
|                      | 25              | 24.3                     | 9.4                      | 53.3              | 541.2                    | 51.3                | 40.0                | 37.0                  |
|                      | 31.25           | 23.6                     | 10.5                     | 51.9              | 540.4                    | 49.9                | 38.1                | 35.1                  |
|                      | 62.5            | 21.5                     | 15.0                     | 47.4              | 538.6                    | 45.4                | 32.1                | 29.1                  |
|                      | 100             | 20.1                     | 19.1                     | 44.3              | 537.6                    | 42.3                | 28.0                | 25.0                  |
|                      | 200             | 18.0                     | 27.6                     | 39.8              | 536.5                    | 37.8                | 22.0                | 19.0                  |
|                      | 250             | 17.3                     | 31.1                     | 38.3              | 536.3                    | 36.3                | 20.0                | 17.0                  |
|                      | 300             | 16.8                     | 34.3                     | 37.1              | 536.1                    | 35.1                | 18.5                | 15.5                  |
|                      | 500             | 15.2                     | 45.3                     | 33.8              | 535.6                    | 31.8                | 14.0                | 11.0                  |

### Construction (F/UTP)

#### 4 Pair Cable



#### Pair Identification

- Pair 1 White-Blue / Blue
- Pair 2 White-Orange / Orange
- Pair 3 White-Green / Green
- Pair 4 White-Brown / Brown