

## Кабель CabelTorg F/FTP CAT6A 4P LSZH FR Solid Bare Copper RoHS

|                                   |                                                                 |                                   |        |
|-----------------------------------|-----------------------------------------------------------------|-----------------------------------|--------|
| Test Standard                     | ISO/IEC11801 TIA/-568-C.2                                       |                                   |        |
| Conductor                         | Material                                                        | SOLID-Bare Copper                 |        |
|                                   | Nom.O.D.(mm)                                                    | 0.560 ±0.005                      |        |
| Insulation                        | Material                                                        | Skin-foam-skin PE                 |        |
|                                   | Diameter                                                        | 1.330±0.05 mm                     |        |
| Screening Material                | Al/Mylar                                                        | Drainwire                         | Yes    |
| Sheath                            | Thickness                                                       | 0.55±0.05 mm                      |        |
|                                   | External O.D.                                                   | 7.5±0.5 mm                        |        |
|                                   | Surface                                                         | Clean                             |        |
|                                   | Material                                                        | LSZH(complies RoHS)<br>IEC60332-1 |        |
|                                   | Color                                                           | TBD                               |        |
| Surface Printing                  | Letter height                                                   | 3.0±0.3mm                         |        |
|                                   | Color                                                           | Black                             |        |
|                                   | Print error & Space                                             | ±0.5%, 1m                         |        |
| Core Color                        | 1 White/Blue                                                    | 2 White/Orange                    |        |
|                                   | 3 White/Green                                                   | 4 White/Brown                     |        |
| Packing                           | Wooden Tray, 500 m                                              |                                   |        |
| Rip-cordYes                       | Yes                                                             |                                   |        |
| Sheath Physical Properties        | Before Aging Tensile Strength (Mpa) ≥10.0<br>Elongation(%) ≥125 |                                   |        |
|                                   | Aging Period (°C × hrs) 100°C × 24h × 7d                        |                                   |        |
|                                   | After Aging Tensile Strength(Mpa) ≥8.0<br>Elongation(%) ≥100    |                                   |        |
|                                   | Cold bend(-20±2°C×4h) 8×Cable O.D.<br>No visible cracks         |                                   |        |
| 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 160               |                                   |        |
|                                   | DC Resistance (Ω/100m) max                                      |                                   | 9.38   |
|                                   | DC Conductor Resistance Unbalance (%) max 5.0                   |                                   |        |

### Technical Performance (100m):

| Frequency (MHz) | RL ≥dB | ATT ≤dB | NEXT ≥dB | PHASE DELAY ≤ns |
|-----------------|--------|---------|----------|-----------------|
| 1               | 20.0   | —       | 74.3     | 570             |
| 4.0             | 23.0   | 3.8     | 65.3     | 552             |
| 8.0             | 24.5   | 5.3     | 60.8     | 547             |
| 10.0            | 25.0   | 5.9     | 59.3     | 545             |
| 16.0            | 25.0   | 7.5     | 56.2     | 543             |
| 20.0            | 25.0   | 8.4     | 54.8     | 542             |
| 25.0            | 24.3   | 9.4     | 53.3     | 541             |
| 31.25           | 23.6   | 10.5    | 51.9     | 540             |
| 62.5            | 21.5   | 15.0    | 47.4     | 539             |
| 100             | 20.1   | 19.1    | 44.3     | 538             |
| 200             | 18.0   | 27.6    | 39.8     | 537             |
| 250             | 17.3   | 31.1    | 38.3     | 536             |
| 300             | 16.8   | 34.3    | 37.1     | 536             |
| 400             | 15.9   | 40.1    | 35.3     | 536             |
| 500             | 15.2   | 45.3    | 33.8     | 536             |

| Frequency (MHz) | PSNEXT ≥dB | ELFEXT ≥dB | PSELFEXT ≥dB |
|-----------------|------------|------------|--------------|
| 1               | 72.3       | 67.8       | 64.8         |
| 4               | 63.3       | 55.8       | 52.8         |
| 8               | 58.8       | 49.7       | 46.7         |
| 10              | 57.3       | 47.8       | 44.8         |
| 16              | 54.2       | 43.7       | 40.7         |
| 20              | 52.8       | 41.8       | 38.8         |
| 25              | 51.3       | 39.8       | 36.8         |
| 31.25           | 49.9       | 37.9       | 34.9         |
| 62.5            | 45.4       | 31.9       | 28.9         |
| 100             | 42.3       | 27.8       | 24.8         |
| 200             | 37.8       | 21.8       | 18.8         |
| 250             | 36.3       | 19.8       | 16.8         |
| 300             | 35.1       | 18.3       | 15.3         |
| 400             | 33.3       | 15.8       | 12.8         |
| 500             | 31.8       | 13.8       | 10.8         |

