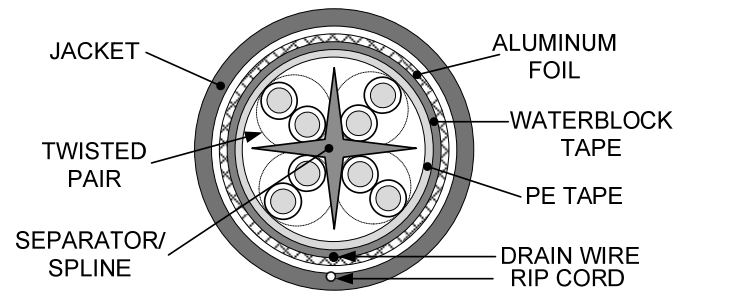


**Bulk Cable Specification**

**TOFC6-BLK CATEGORY 6 DIRECT BURIAL CABLE SHIELDED (WATER PROOF TAPE)**

| <b>Cross-Sectional View</b><br>                                                          |                        | <b>Color Code</b><br><br>Pair 1. Blue, White/Blue<br>Pair 2. Orange, White/Orange<br>Pair 3. Green, White/Green<br>Pair 4. Brown, White/Brown |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| ITEM                                                                                                                                                                      |                        | DESCRIPTION                                                                                                                                   |
| Conductor                                                                                                                                                                 | No. of Conductors      | 4 Pairs                                                                                                                                       |
|                                                                                                                                                                           | Material               | Solid Bare Copper                                                                                                                             |
|                                                                                                                                                                           | Gauge                  | 23 AWG                                                                                                                                        |
| Insulation                                                                                                                                                                | Material               | HDPE                                                                                                                                          |
|                                                                                                                                                                           | Nominal Thickness      | .012" [0.308mm]                                                                                                                               |
|                                                                                                                                                                           | Nominal Diameter       | .047" [1.189mm]                                                                                                                               |
| Shielding                                                                                                                                                                 | Material               | Aluminum Foil                                                                                                                                 |
|                                                                                                                                                                           | Coverage               | 100%                                                                                                                                          |
| Drain Wire                                                                                                                                                                | Material               | Tinned Copper                                                                                                                                 |
| Separator                                                                                                                                                                 | Material               | LDPE                                                                                                                                          |
| Jacket                                                                                                                                                                    | Material               | LLDPE (UV)                                                                                                                                    |
|                                                                                                                                                                           | Nominal Diameter       | .311" [7.90mm]                                                                                                                                |
|                                                                                                                                                                           | Color                  | Black                                                                                                                                         |
| Jacket Marking: VERTICAL 4009208 cETLus VERIFIED STP 4PR 23AWG OUTDOOR DIRECT BURIAL UV LLDPE CAT6 550MHz TIA/EIA – 568C.2 RoHS XXXFT (SEQUENTIAL FOOT MARKERS ON JACKET) |                        |                                                                                                                                               |
| <b>ELECTRICAL PROPERTIES</b>                                                                                                                                              |                        |                                                                                                                                               |
| Voltage Rating (V)                                                                                                                                                        |                        | 30                                                                                                                                            |
| Characteristics Impedance                                                                                                                                                 |                        | 100±15 Ohms                                                                                                                                   |
| Delay Skew                                                                                                                                                                |                        | ≤45 (nS/100m)                                                                                                                                 |
| Pair to Ground Capacitance                                                                                                                                                |                        | ≤330 (Pf/100m) Unbalance                                                                                                                      |
| Max. conductor DC Resistance                                                                                                                                              |                        | 93.8 (ohms/km) 20°C                                                                                                                           |
| Resistance Unbalance                                                                                                                                                      |                        | 5% Max                                                                                                                                        |
| <b>MECHANICAL CHARACTERISTICS</b>                                                                                                                                         |                        |                                                                                                                                               |
| Test Object                                                                                                                                                               |                        | Jacket                                                                                                                                        |
| Test Material                                                                                                                                                             |                        | LLDPE                                                                                                                                         |
| Before                                                                                                                                                                    | Tensile Strength (Mpa) | ≥14.8                                                                                                                                         |
| Aging                                                                                                                                                                     | Elongation (%)         | ≥100                                                                                                                                          |
| Aging Condition (°C x hrs)                                                                                                                                                |                        | 100 x 240                                                                                                                                     |
| After                                                                                                                                                                     | Tensile Strength (Mpa) | ≥85% of unaged                                                                                                                                |
| Aging                                                                                                                                                                     | Elongation (%)         | ≥50% of unaged                                                                                                                                |
| Cold Bend (-40±2°C x 4hrs)                                                                                                                                                |                        | No Crack                                                                                                                                      |
| Bend Radius                                                                                                                                                               |                        | >3.937" [100mm]                                                                                                                               |
| <b>LISTINGS / RATINGS</b>                                                                                                                                                 |                        |                                                                                                                                               |
| Temperature Rating: -40~70°C                                                                                                                                              |                        |                                                                                                                                               |
| ETL Listed, RoHS Compliant, Outdoor UV Rated Jacket                                                                                                                       |                        |                                                                                                                                               |
| <b>PACKAGING</b>                                                                                                                                                          |                        |                                                                                                                                               |
| 1000ft Spool                                                                                                                                                              |                        |                                                                                                                                               |

(Information subject to change without notice)