

**Applications:** CATV and DataCom, Direct burial, General purpose indoor/outdoor LAN, Long Distance OSP

**General Construction:** This gel free cable contains 192 SM G652D color-coded optical fibers in 16 color-coded polypropylene FR loose tubes. These tubes include a swellable yarn to prevent the ingress of water and are SZ stranded in two layers (5+11) around a dielectric central strength member. Waterblocking fiber-glass strength yarns reinforce the cable core and an outer jacket completes the cable design.

**Outer Jacket Material:** FR-LSZH

**Outer Diameter:** 16.1 mm nom.

**Weight:** 231 kg/km

Flammability Rating: EN 50575:2014 Dcas1d1a1 (CPR)



### Design & Materials

|                                 |                   |
|---------------------------------|-------------------|
| <b>Tube Diameter:</b>           | 2.5 mm nom.       |
| <b>Color Code:</b>              | Per TIA/EIA 598-C |
| <b>Central Strength Member:</b> | FRP               |
| <b>Cabling:</b>                 | SZ                |
| <b>Strength Elements:</b>       | E-Glass Yarns     |
| <b>Fiber Containing Tubes:</b>  | 16                |
| <b>Total Number of Tubes:</b>   | 16                |
| <b>Number of fibers:</b>        | 192               |
| <b>Waterblocking:</b>           | Dry Waterblocking |
| <b>Rip-Cord:</b>                | Yes               |
| <b>Outer Jacket Color:</b>      | Green             |
| <b>Marking:</b>                 | Teldor Standard   |

### Standards

|                              |   |
|------------------------------|---|
| <b>Applicable Standards:</b> | IEC 60794-1-21/22, IEC 60794, ISO/IEC 11801-1, TIA/EIA-568, ASTM G154, RoHS 3 2015/863/EU |
| <b>Flammability Rating:</b>  | IEC 60332-1, IEC 60332-3, IEC 60754-2, IEC 61034, EN 50575:2014 Dcas1d1a1 (CPR)           |
| <b>Installation:</b>         | Guidelines as per IEC TR 62691  |

### Performance

|   |             |
|---|-------------|
| <b>Tensile Strength - Short Term:</b>     | 2700 N max. |
| <b>Tensile Strength - Long Term:</b>      | 1620 N max. |
| <b>Impact Resistance:</b>                 | 10 N*m      |
| <b>Impact Resistance:</b>                 | 3 cycles    |
| <b>Max. Crush Resistance:</b>             | 400 N/cm    |
| <b>Min. Bend Radius for Installation:</b> | 20xD mm     |
| <b>Min. Bend Radius for Operation:</b>    | 10xD mm     |
| <b>Repeated Bending:</b>                  | 25 cycles   |
| <b>Torsion (L=125 x d):</b>               | 10 cycles   |
| <b>Max. Operating Temperature:</b>        | +75 °C      |
| <b>Min. Operating Temperature:</b>        | -40 °C      |
| <b>Max. Installation Temperature:</b>     | +60 °C      |
| <b>Min. Installation Temperature:</b>     | -30 °C      |
| <b>Max. Storage Temperature:</b>          | +75 °C      |
| <b>Min. Storage Temperature:</b>          | -40 °C      |
| <b>UV Resistance:</b>                     | Yes         |
| <b>Waterblocking:</b>                     | Yes         |