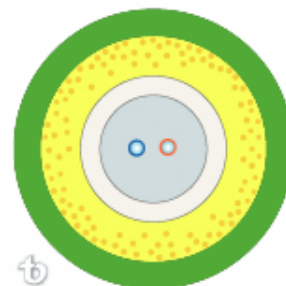


**Part Number:** **F70020100E MSL-090-02/A2**

**Applications:** Blown Installation, Campus Distribution cabling, General purpose all-dielectric indoor/outdoor LAN

**General Construction:** Optimized for blown installation into micro ducts, The cable contains 2 SM type G657A2 color coded optical fibers, each with a 250µm outer diameter. The optical fibers are contained in a loose tube filled with thixotropic gel, which is reinforced by aramid strength yarns and jacketed.



**Outer Jacket Material:** HFFR  
**Outer Diameter:** 2.8 mm nom.  
**Weight:** 8.7 kg/km

### Design & Materials

|                            |                                  |
|----------------------------|----------------------------------|
| <b>Buffer Material:</b>    | PBT                              |
| <b>Tube Diameter:</b>      | 1.8 mm nom.                      |
| <b>Color code:</b>         | EIA/TIA 598                      |
| <b>Strength Elements:</b>  | Aramid Yarns                     |
| <b>Number of fibers:</b>   | 2                                |
| <b>Waterblocking:</b>      | Dry Waterblocking                |
| <b>Outer Jacket Color:</b> | Green                            |
| <b>Marking:</b>            | MSL-090-02/L Reel no Mtr marking |

### Standards

|                              |                              |
|------------------------------|------------------------------|
| <b>Applicable Standards:</b> | IEC 60794-1-21/22, IEC 60794 |
| <b>Flamability Rating:</b>   | IEC 60332-1                  |

### Performance

|   |            |
|---|------------|
| <b>Tensile Strength - Short Term:</b>     | 400 N max. |
| <b>Tensile Strength - Long Term:</b>      | 240 N max. |
| <b>Max. Crush Resistance:</b>             | 50 N/cm    |
| <b>Min. Bend Radius for Installation:</b> | 30 mm      |
| <b>Min. Bend Radius for Operation:</b>    | 30 mm      |
| <b>Max. Operating Temperature:</b>        | +60 °C     |
| <b>Min. Operating Temperature:</b>        | -10 °C     |
| <b>Max. Storage Temperature:</b>          | +70 °C     |
| <b>Min. Storage Temperature:</b>          | -25 °C     |
| <b>UV resistance:</b>                     | Yes        |