

|              |                                                                     |
|--------------|---------------------------------------------------------------------|
| Product name | 144F G657A1 MLT cable FSC90 Green LSZH Dca OD 15.1mm EIA/TIA T2000m |
| Product code | 4704732                                                             |
| GTIN         |                                                                     |
| ETIM-Class   | EC000034                                                            |



PRODUCT SPECIFICATIONS

Fiber optic circuit integrity (fireproof) cables designed to function for at least 90 minutes in fires up to 750°C. Suitable for installation indoors and/or outdoors in ducts. Halogen-free, CPR and fire rated to meet the requirements for indoor installations.

Measurements

|        |          |
|--------|----------|
| Length | 1,000 mm |
| Height | 15.1 mm  |
| Width  | 15.1 mm  |
| Weight | 284 g    |

Physical Characteristics

|                         |                               |
|-------------------------|-------------------------------|
| Fibre Count             | 144                           |
| Cable Construction      | Multi Loose Tube (MLT)        |
| Fibre Type              | ITU-T G.657 A1                |
| Fibres per Tube         | 12                            |
| Fibre Colour Sequence   | EIA/TIA-598A                  |
| Tube Size               | 1.7 mm                        |
| Central Strength Member | FRP                           |
| No of Tubes             | 12                            |
| Tube Colour Sequence    | EIA/TIA-598A                  |
| Outer Sheath Material   | LSZH (Low Smoke Zero Halogen) |

|                                   |            |
|-----------------------------------|------------|
| Colour of Cable Sheath            | Green      |
| No of Ripcords Below Outer Sheath | 2          |
| Cable Diameter                    | 15.1 mm    |
| Cable Diameter Tolerance          | +/- 0.4 mm |
| Nominal Cable Weight              | 284 kg/km  |

## Mechanical & Environmental Characteristics

|                                                           |                                                                   |
|-----------------------------------------------------------|-------------------------------------------------------------------|
| Halogen Free                                              | Yes                                                               |
| UV Proof                                                  | Yes                                                               |
| Metal free                                                | No                                                                |
| Rodent Protection                                         | Yes                                                               |
| CPR                                                       | Yes                                                               |
| Tensile Strength (N) IEC-60794-1-21-E1                    | 10,000 N                                                          |
| Crush Resistance - IEC- 60794-1-21-E3                     | 2,500 N/10cm                                                      |
| Impact Strength (Nm) IEC-60794-1-21-E4                    | 30 Nm                                                             |
| Min. Bend Radius (During Installation) IEC-60794-1-21-E11 | 310                                                               |
| Min. Bend Radius (After Installation) IEC-60794-1-21-E11  | 233                                                               |
| Water Penetration TestIEC-60794-1-22-F5                   | 1m head, 3m samples, 24 hrs.                                      |
| Temperature Performance Installation IEC-60794-1-22-F1    | -15°C to +50°C (Max. change in attenuation shall be ≤ 0.15 dB/km) |