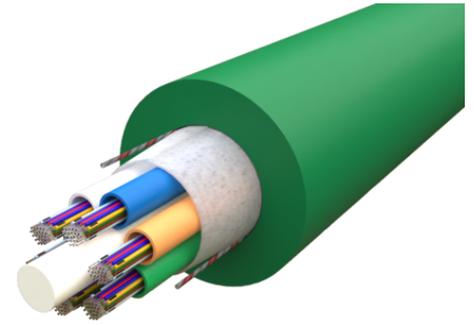


|              |                                                                 |
|--------------|-----------------------------------------------------------------|
| Product name | 144F G657A1-200 MLT cable Green LSZH Cca OD 7.8mm EIA/TIA 4km/d |
| Product code | 4701764                                                         |
| GTIN         | 7332811344015                                                   |
| ETIM-Class   | EC000034                                                        |



## PRODUCT SPECIFICATIONS

144F SM G657A1 200µm multi purpose cable used for both indoor installation and outdoor installation in ducts applications by pulling. Cable parameters such as cable flexibility, diameter and higher safety levels for fire and dangerous substances makes it optimized for safe and effective indoor installation as well as for outdoor installation in ducts. The cable is based on a multi loose tube construction with SZ design around a central strength member of fiberglass-reinforced plastic (FRP) which facilitates mid-span access.

The expected service life in normal use exceeds 30 years.

## Measurements

|        |          |
|--------|----------|
| Length | 1,000 mm |
| Height | 7.8 mm   |
| Width  | 7.8 mm   |
| Weight | 80 g     |

## Physical Characteristics

|                       |                        |
|-----------------------|------------------------|
| Fibre Count           | 144                    |
| Cable Construction    | Multi Loose Tube (MLT) |
| Fibre Type            | ITU-T G.657 A1 200um   |
| Fibres per Tube       | 24                     |
| Fibre Colour Sequence | EIA/TIA-598A           |
| Tube Size             | 1.5 mm                 |

|                                   |                               |
|-----------------------------------|-------------------------------|
| Central Strength Member           | FRP                           |
| No of Tubes                       | 6                             |
| Tube Colour Sequence              | EIA/TIA-598A                  |
| Outer Sheath Material             | LSZH (Low Smoke Zero Halogen) |
| Colour of Cable Sheath            | Green                         |
| Nominal Sheath Thickness          | 1.3 mm                        |
| No of Ripcords Below Outer Sheath | 1                             |
| Cable Diameter                    | 7.8 mm                        |
| Cable Diameter Tolerance          | +/- 0.4 mm                    |
| Nominal Cable Weight              | 80 kg/km                      |

## Mechanical & Environmental Characteristics

|                                                           |                              |
|-----------------------------------------------------------|------------------------------|
| Halogen Free                                              | Yes                          |
| UV Proof                                                  | Yes                          |
| Metal free                                                | Yes                          |
| CPR                                                       | Yes                          |
| CPR Classification                                        | Cca-s1b, d1, a1              |
| Tensile Strength (N) IEC-60794-1-21-E1                    | 1,000 N                      |
| Crush Resistance - IEC- 60794-1-21-E3                     | 1,000 N/10cm                 |
| Min. Bend Radius (During Installation) IEC-60794-1-21-E11 | 330 mm                       |
| Min. Bend Radius (After Installation) IEC-60794-1-21-E11  | 165 mm                       |
| Water Penetration Test IEC-60794-1-22-F5                  | 1m head, 3m samples, 24 hrs. |
| Drip Test IEC-60794-1-21-E14                              | 30 cm, 70°C, 24 hr           |
| Temperature Performance Installation IEC-60794-1-22-F1    | -5°C till +50°C              |
| Temperature Performance Operation IEC-60794-1-22-F1       | -30°C till +60°C             |
| Temperature Performance Storage IEC-60794-1-22-F1         | -40°C till +70°C             |