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|--------------|--|
| Product name | External drop cable OH/UG 1xG657A2 TB PUR OD 3mm LCA-LCA 30m |
| Product code | 123684   |
| GTIN         | 7332811391033  |
| ETIM-Class   | EC001263   |



## PRODUCT SPECIFICATIONS

1F G657A2 pre-terminated 3mm overhead and underground (OH/UG) drop cables eliminating the need to splice fibres allows for time-saving installations. Depending on length the cables are delivered on coils or reels with alternative connectors in both ends or with open end. PIA approved and suitable for max 68 m span lengths. IEC connector loss grade B.

## Measurements

|        |        |
|--------|--------|
| Length | 235 mm |
| Height | 235 mm |
| Width  | 48 mm  |
| Weight | 278 g  |

## Physical Characteristics

|                          |                     |
|--------------------------|---------------------|
| Fibre Count              | 1                   |
| Cable Construction       | Tight Buffered (TB) |
| Fibre Type               | ITU-T G.657 A2      |
| Outer Sheath Material    | PUR (Polyurethane)  |
| Colour of Cable Sheath   | Black               |
| Cable Diameter           | 3 mm                |
| Cable Diameter Tolerance | +/- 0.2 mm          |
| Nominal Cable Weight     | 9 kg/km             |

## Technical Specifications - Cable Characteristics

|   |   |
|---|---|
| Tensile Break Load  | 1,000 N   |
| Tensile Strength (N) IEC-60794-1-21-E1                    | 300 N   |
| Crush Resistance - IEC- 60794-1-21-E3                     | 1,000 N/10cm  |
| Min. Bend Radius (During Installation) IEC-60794-1-21-E11 | 5 mm  |
| Water Penetration Test IEC-60794-1-22-F5                  | 1 m water head, 3m sample, 24 hours   |
| Temperature Performance Installation IEC-60794-1-22-F1    | -5°C to +60°C (Max. change in attenuation shall be ≤ 0.15 dB/km)                      |
| Temperature Performance Operation IEC-60794-1-22-F1       | -20°C to +60°C (Max. change in attenuation shall be ≤ 0.15 dB/km)                     |
| Voltage Test 11 KV  | If installed along power line minimum vertical distance of 1.8 m should be maintained |
| Max Span Length   | 68 m  |

## Technical Specifications - Fibre Characteristics

|                                   |   |
|-----------------------------------|---|
| Fibre Type                        | ITU-T G.657 A2                              |
| Attenuation 1310nm                | ≤ 0.33 dB/km                                |
| Attenuation 1550nm                | ≤ 0.22 dB/km                                |
| Attenuation 1625nm                | ≤ 0.25 dB/km                                |
| Chromatic Dispersion 1285-1330nm  | ≤ 3.5 ps/(nm•km)                            |
| Chromatic Dispersion 1550nm       | ≤ 18 ps/(nm•km)                             |
| Chromatic Dispersion 1625nm       | ≤ 22 ps/(nm•km)                             |
| PMD (Max. Individual)             | ≤ 0.2 ps/√km                                |
| PMD (Link design value)           | ≤ 0.06 ps/√km                               |
| Cable cut off wavelength          | ≤ 1260 nm                                   |
| MFD 1310nm                        | 8.8 +/- 0.4 nm                              |
| MFD 1550nm                        | 9.9 +/- 0.5 nm                              |
| Core-Cladding Concentricity Error | ≤ 0.5 μm                                    |
| Cladding Diameter                 | 125 +/- 0.7 μm                              |
| Cladding Non Circularity          | ≤ 0.7 %                                     |
| Primary Coating Diameter          | 242 ± 5 (Uncolored) / 250 ± 10 (Colored) μm |

## Sustainability

|                            |         |
|----------------------------|---------|
| Estimated Product Lifetime | Unknown |
|----------------------------|---------|