

|                     |   |
|---------------------|---|
| <b>Product name</b> | External drop cable OH/UG 1xG657A2 TB PUR OD 3mm<br>SCA-SCA 35m |
| <b>Product code</b> | 123664  |
| <b>GTIN</b>         |   |
| <b>ETIM-Class</b>   | ECO01263  |



## 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

|               |        |
|---------------|--------|
| <b>Length</b> | 235 mm |
| <b>Height</b> | 235 mm |
| <b>Width</b>  | 48 mm  |
| <b>Weight</b> | 324 g  |

## Physical Characteristics

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

## Technical Specifications - Cable Characteristics

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

## Technical Specifications - Fibre Characteristics

|  |  |
|--|--|
| <b>Fibre Type</b>                        | ITU-T G.657 A2   |
| <b>Attenuation 1310nm</b>                | $\leq 0.33$ dB/km dB/km  |
| <b>Attenuation 1550nm</b>                | $\leq 0.22$ dB/km dB/km  |
| <b>Attenuation 1625nm</b>                | $\leq 0.25$ dB/km dB/km  |
| <b>Chromatic Dispersion 1285-1330nm</b>  | $\leq 3.5$ ps/(nm·km)  |
| <b>Chromatic Dispersion 1550nm</b>       | $\leq 18$ ps/(nm·km)   |
| <b>Chromatic Dispersion 1625nm</b>       | $\leq 22$ ps/(nm·km)   |
| <b>PMD (Max. Individual)</b>             | $\leq 0.2$ ps/ $\sqrt{\text{km}}$                              |
| <b>PMD (Link design value)</b>           | $\leq 0.06$ ps/ $\sqrt{\text{km}}$                             |
| <b>Cable cut off wavelength</b>          | $\leq 1260$ nm   |
| <b>MFD 1310nm</b>                        | 8.8 +/- 0.4 nm   |
| <b>MFD 1550nm</b>                        | 9.9 +/- 0.5 nm   |
| <b>Core-Cladding Concentricity Error</b> | $\leq 0.5$ $\mu\text{m}$                                       |
| <b>Cladding Diameter</b>                 | 125 +/- 0.7 $\mu\text{m}$                                      |
| <b>Cladding Non Circularity</b>          | $\leq 0.7$ %   |
| <b>Primary Coating Diameter</b>          | 242 $\pm$ 5 (Uncolored) / 250 $\pm$ 10 (Colored) $\mu\text{m}$ |