

<b>Product name</b>	External drop cable OH/UG 1xG657A2 TB PUR OD 3mm SCA-Open 40m
<b>Product code</b>	123077
<b>GTIN</b>	7332811385186
<b>ETIM-Class</b>	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

<b>Length</b>	235 mm
<b>Height</b>	235 mm
<b>Width</b>	48 mm
<b>Weight</b>	371 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>Temperature Performance Storage IEC-60794-1-22-F1</b>	-40°C to +70°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
<b>Attenuation 1550nm</b>	$\leq 0.22$ dB/km
<b>Attenuation 1625nm</b>	$\leq 0.25$ 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) $\mu\text{m}$