Product name	External drop cable OH/UG 1xG657A2 TB PUR OD 3mm SCA-Open 50m
Product code	123078
GTIN	7332811385193
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	464 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 TestIEC-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)
Temperature Performance Storage IEC-60794-1-22-F1	-40°C to +70°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 %
Priamry Coating Diameter	242 ± 5 (Uncolored) / 250 ± 10 (Colored) µm