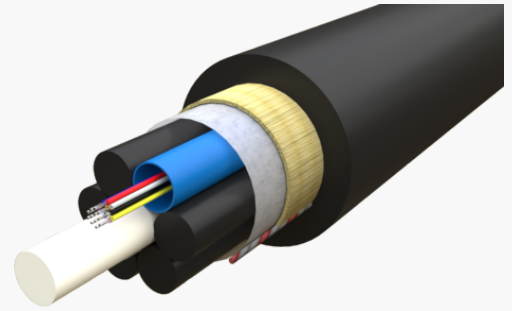


| | |
|--------------|--|
| Product name | 12F S12 G657A1 MicroDuct cable MLT Black HDPE OD 5.7mm 4km/d |
| Product code | 4976707 |
| Product type | GRHLDV 12XG657A1 |
| GTIN | 7332811312205 |
| ETIM-Class | EC000034 |



PRODUCT SPECIFICATIONS

12F G657A1 Micro cable typically used in outdoor microduct installation applications. The cables are suitable for air-blown installation. Cable parameters such as cable diameter, stiffness and sheath friction are optimized for best installation performance. 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.

Measurements

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|--------|----------|
| Length | 1 000 mm |
| Height | 5,7 mm |
| Width | 5,7 mm |
| Weight | 30 g |

Physical Characteristics

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|-------------------------|------------------------|
| Fibre Count | 12 |
| Cable Construction | Multi Loose Tube (MLT) |
| Fibre Type | ITU-T G.657 A1 |
| Fibres per Tube | 12 |
| Fibre Colour Sequence | EIA/TIA-598A |
| Tube Size | 1,55 mm |
| Central Strength Member | FRP |
| No of Tubes | 1 + 5 fillers |

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|-----------------------------------|----------------------------------|
| Tube Colour Sequence | S12 |
| Outer Sheath Material | HDPE (High Density Polyethylene) |
| Colour of Cable Sheath | Black |
| Nominal Sheath Thickness | 0,5 mm |
| No of Ripcords Below Outer Sheath | 1 |
| Cable Diameter | 5,7 mm |
| Cable Diameter Tolerance | +/- 0.4 mm |
| Nominal Cable Weight | 30 kg/km |

Mechanical & Environmental Characteristics

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|---|------------------------------|
| Halogen Free | Yes |
| UV Proof | Yes |
| Metal free | Yes |
| Tensile Strength (N) IEC-60794-1-21-E1 | 800 N |
| Crush Resistance - IEC- 60794-1-21-E3 | 500 N/10cm |
| Impact Strength (Nm) IEC-60794-1-21-E4 | 50 |
| Torsion IEC-60794-1-21-E7 | ± 180° |
| Min. Bend Radius (During Installation) IEC-60794-1-21-E11 | 20 x d |
| Min. Bend Radius (After Installation) IEC-60794-1-21-E11 | 10 x d |
| 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 | -15°C till +50°C |
| Temperature Performance Operation IEC-60794-1-22-F1 | -40°C til +70°C |
| Temperature Performance Storage IEC-60794-1-22-F1 | -40°C til +70°C |

Sustainability

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|----------------------------------|-----|
| product.sustainability-label.epd | Yes |
|----------------------------------|-----|