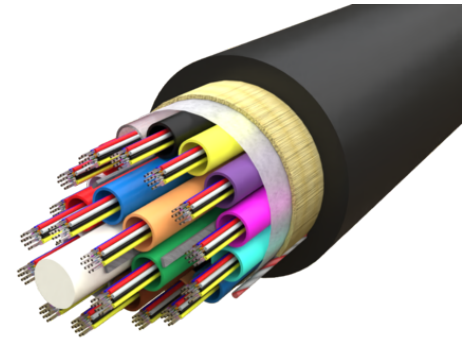


Product name	240F G657A1 200µm Microcable S12 MLT Black PA OD 7.7mm 4km
Product code	4968187
Product type	GRHLDV 240XG657A1
GTIN	7332811312403
ETIM-Class	EC000034



PRODUCT SPECIFICATIONS

Micro cables 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 slim multi loose tube construction with SZ design around a central strength member of fiberglass-reinforced plastic (FRP) which facilitates mid-span access.

Measurements

Physical Characteristics

Fibre Count	240
Cable Construction	Multi Loose Tube (MLT)
Fibre Type	ITU-T G.657 A1 200um
Fibres per Tube	12
Fibre Colour Sequence	S12
Tube Size	1,3 mm
Central Strength Member	FRP
No of Tubes	20
Tube Colour Sequence	S12
Outer Sheath Material	PA (Polyamid)
Colour of Cable Sheath	Black
Nominal Sheath Thickness	0,4 mm

No of Ripcords Below Outer Sheath	1
Cable Diameter	7,7 mm
Cable Diameter Tolerance	+/- 0.3mm
Nominal Cable Weight	56 kg/km

Mechanical & Environmental Characteristics

Halogen Free	Yes
UV Proof	Yes
Metal free	Yes
Tensile Strength (N) IEC-60794-1-21-E1	700 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 to +70°C (max. change in attenuation shall be ≤ 0.15 dB/km)
Temperature Performance Operation IEC-60794-1-22-F1	-40°C to +70°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)