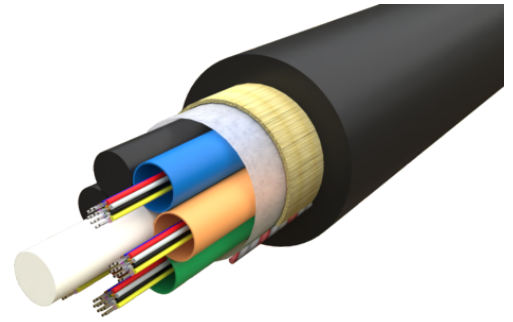


Product name	48F G657A1 Microduct cable MLT Black HDPE OD 5,7mm 4km/dr
Product code	4966697
Product type	GRHLDV 48XG657A1
GTIN	7332811190186
ETIM-Class	EC000034



PRODUCT SPECIFICATIONS

48F 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

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

Physical Characteristics

Fibre Count	48
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	4 + 2 fillers

Tube Colour Sequence	EIA/TIA-598A
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

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