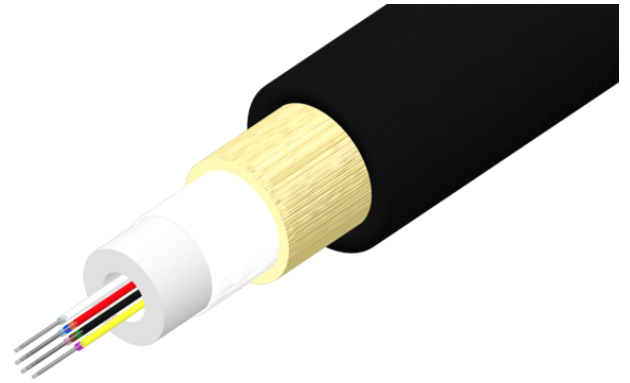


<b>Product name</b>	4F S12 G657A1 Microcable CLT Black HDPE OD 3.9mm, 6km/drum
<b>Product code</b>	4989437
<b>Product type</b>	GRGLDV 4XG657A1
<b>GTIN</b>	7332811319280
<b>ETIM-Class</b>	EC000034



## 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 cables are based on a central loose tube construction (CLT).

## Measurements

<b>Length</b>	1 000 mm
<b>Height</b>	3,9 mm
<b>Width</b>	3,9 mm
<b>Weight</b>	12 g

## Physical Characteristics

<b>Fibre Count</b>	4
<b>Cable Construction</b>	Central Loose Tube (CLT)
<b>Fibre Type</b>	ITU-T G.657 A1
<b>Fibre Colour Sequence</b>	S12
<b>Tube Size</b>	2,5 mm
<b>No of Tubes</b>	1
<b>Tube Colour Sequence</b>	EIA/TIA-598A
<b>Outer Sheath Material</b>	HDPE (High Density Polyethylene)
<b>Colour of Cable Sheath</b>	Black

Cable Diameter	3,9 mm
Cable Diameter Tolerance	+/- 0,3 mm
Nominal Cable Weight	12 kg/km

## Mechanical & Environmental Characteristics

Halogen Free	Yes
UV Proof	Yes
Metal free	Yes
Tensile Strength (N) IEC-60794-1-21-E1	150 N
Crush Resistance - IEC- 60794-1-21-E3	1 000 N/10cm
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 +60°C
Temperature Performance Operation IEC-60794-1-22-F1	-40°C till +70°C
Temperature Performance Storage IEC-60794-1-22-F1	-40°C till +70°C