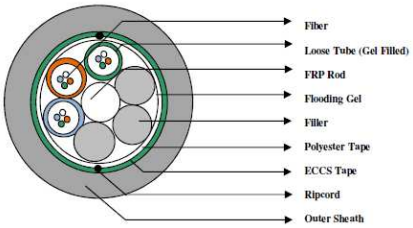
Product information

12F Single Mode, G.657A1, Multi loose tube (3Tx4F), ECCS Armored, HDPE Outdoor Cable, Black

R196788

2000m



The outdoor cable for cable trays and supply ducts. The design is gel-filled Multi loose tube of a diameter of 2.0 ± 0.1 mm for 12 fibers each. ≥ 0.140 mm (min.) ECCS armoring provides the cable's rodent protection. Outer sheath is made up of HDPE 1.5 mm (Nominal) for harsh environments.

Sheath: HDPE, Black.

Fiber: Single mode (SM) E9/125.

Similar product

Technical Data

DESCRIPTION [UNIT]	VALUE/VALUE RANGE
Standard	IEC 60794-1-2 E11; IEC 60794-1-2 E3; IEC 60794-1-2 F1; IEC 61034; IEC 60754-2; ITU-T G.657A1; IEC 60793-2-50:2004, B 1.3; IEC 60794-1-2 E1
Cable type	Multi Loose Tube
Outer Sheath	HDPE - 1.5 mm (Nominal), Black
Outer jacket material	Cable, water tight Polyethylene, metal free
Armour	ECCS Tape, 0.140 mm (Min.)
Cable overall diameter	10.5 ± 0.5 mm
Peripheral Strength Member	2.0 ± 0.1 mm FRP Rods
Fiber type	Single mode (SM)
Fiber class	G.657A1 (OS2)
Fiber Count	12
Conductor type	Loose tube, Gel filled
Fiber diameter	E9 / 125 µm
Number of Fiber per tube	4
Number of Loose Tubes	3
Central Strength Member	2.0 ± 0.1 mm FRP Rod
Number of Fillers	2, HDPE - Black
Core Wrapping	Polyester Tape
Number of Rip Cords	2, Polyester
Tensile Strength	2000 N
Crush Resistance	2000N/100mm
Moisture Barrier	Flooding Gel
Torsion	± 180 ^{0}
Minimum Bend Radius	20 x D: Installation; 10 x D: Operation
Temperature Installation	- 20 ^{0}C to + 60 ^{0}C
Temperature Operation	- 20 ^{0}C to + 60 ^{0}C
Temperature Storage	- 20 ^{0}C to + 60 ^{0}C
Impact Strength	1.6 N.m, 2000 impacts
Product code description	Multi Loose Tube-3Tx 4F-ECCS Armored- HDPE Cable-6F-G657A1

Product information

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2000m

Mechanical Data

DESCRIPTION [UNIT]	VALUE/VALUE RANGE
Cable length	2000.0 m ± 10%
Color	Black
Cable Weight	110.0 ± 10.0 kg/km

Optical Fibre Characteristics		
Fibre Type		G.657A1
Attenuation	at 1310 nm	≤ 0.36 dB/km
	at 1550 nm	≤ 0.23 dB/km
Chromatic Dispersion	1285 - 1330 nm	≤ 3.5 ps/nm.km
	1550 nm	≤ 18 ps/nm.km
Zero Dispersion Wavelength		1300 - 1324 nm
Zero Dispersion Slope		≤ 0.092 ps/nm2.km
Polarisation Mode Dispersion		≤ 0.2 ps/√km
Cut-off Wavelength	λcc	≤ 1260 nm
Mode Field Diameter	at 1310 nm	8.6 ± 0.4 µm
Core Cladding Concentricity Error		≤ 0.5 µm
Cladding Diameter		125 ± 0.7 µm
Cladding Non-circularity		≤ 0.7 %
Coating Diameter	(Uncolored)	245 ± 10 µm