

Applications

Offshore Installations, Campus Backbone, Campus Distribution cabling, General purpose indoor/outdoor LAN, Outdoor Plant Duct Installation



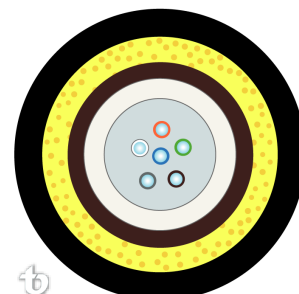
Outer Jacket Material
FR-LSZH



Outer diameter
7.5 mm nom.



Weight
68 kg/km



General Construction

The cable contains 12 SM G652D color coded optical fibers, each with a 250µm outer diameter. The optical fibers are contained in a loose tube filled with a thixotropic gel. The tube is wrapped with a mica tape for heat protection, reinforced and protected by waterblocking fiber-glass strength yarns and jacketed.

Design & Materials

Number Of Fibers	12
Rip-Cord	Yes
Outer Jacket Color	Black
Marking	Per request
Buffer Material	PBT
Strength Elements	E-Glass Yarns
Waterblocking	Dry Waterblocking
Tube Diameter (mm nom)	3.1

Performance

Max. Installation Tensile Load (N max.)	1800
Max. fiber strain at MIT (%)	0.6
Max. Residual Tension (MRS) (N max)	540
Max. Fiber Strain at MRS (%)	0.2
Impact Resistance (N*m)	10
Impact Resistance (cycles)	3
Max. Crush Resistance (N/cm)	400
Min. Bend Radius for Installation (mm)	20xD
Min. Bend Radius for Operation (mm)	10xD
Repeated Bending (cycles)	100
Torsion (L=125 x d) (cycles)	10
Min. Installation Temperature (°C)	-20
Max. Installation Temperature (°C)	+45
Min. Operating Temperature (°C)	-30
Max. Operating Temperature (°C)	+70
Min. Storage Temperature (°C)	-40
Max. Storage Temperature (°C)	+70
Drip Test (°C)	80
UV Resistance	Yes
Waterblocking	Yes

Standards

Flammability Rating
IEC 60331
IEC 60331-25
IEC 60331 FE 90
IEC 60332-3
IEC 60754-1
IEC 60754-2
IEC 61034-1/2
EN 50575:2014 D_{ca}s2d2a2 (CPR)

Applicable Standards
IEC 60794
IEC 60794-1-21/22



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