

Applications

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



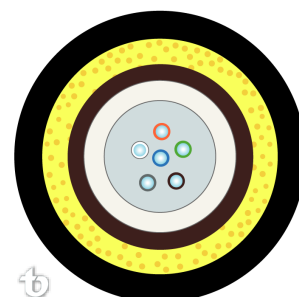
Outer Jacket Material
FR-LSZH



Outer diameter
7.5 mm nom.



Weight
68 kg/km



General Construction

The cable contains 8 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	8
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



Teldor Cables & Systems Ltd. ("Teldor") reserves the right to make changes to the products described in this catalog without prior notice. Teldor does not assume any liability which may occur due to the use of the products described herein. Drawings may not be to scale and are provided for general and informational purposes only. The information contained in this catalog is the proprietary property of Teldor, and may not be used, reproduced or disclosed to others, in whole or in part, without the written authorization of Teldor.

Version 1.4 | Last update: 2025-01-23