

Fire Resistant Fiber Optic Cables with CPR

Part Number: **FRT-090-08/BK - F900801D0B**

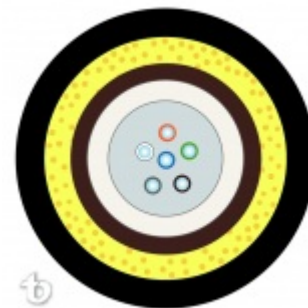
Applications: Offshore Installations, Campus Backbone, Campus Distribution cabling, General purpose indoor/outdoor LAN, Outdoor Plant Duct Installation

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.

Outer Jacket Material: FR-LSZH

Outer Diameter: 7.5 mm nom.

Weight: 68 kg/km



Design & Materials

Buffer Material:	PBT
Tube Diameter:	3.1 mm nom.
Strength Elements:	E-Glass Yarns
Number of fibers:	8
Waterblocking:	Dry Waterblocking
Rip-Cord:	Yes
Outer Jacket Color:	Black
Marking:	Per request

Standards

Applicable Standards:	IEC 60794-1-21/22, IEC 60794
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 Dcas2d2a3 (CPR)
Installation:	Guidelines as per IEC TR 62691

Performance

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