

## MMF-7-01X01/H-E-2D-KH-D S BK FIBEROPTICS P/N F70010165B

### Applications

Blown Installation, Campus Distribution cabling, Rugged environments



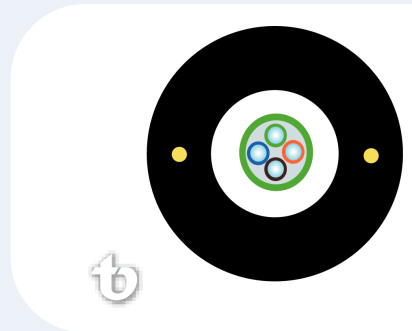
Outer Jacket Material  
FR-LSZH



Outer diameter  
5 mm nom.



Weight  
30 kg/km



### General Construction

The cable contains one SM bend insensitive (G657A2) color coded optical fibers, each with a 0.25 mm outer diameter contained in 1 micro-module. This module is filled with a thixotropic gel to prevent the ingress of water. The outer jacket incorporates two dielectric strength elements (in parallel) and an outer HFFR jacket completes the cable construction.

Fibers color code:

Red

Micro-modules color code:

Red

### Design & Materials

Buffer Material	FR-LSZH
Tube Diameter (mm nom)	0.9
Color Code	Per request
Cabling	Parallel
Strength Elements	Aramid Yarns Dielectric Strength Messenger
Total Number Of Elements	1
Number Of Fibers	1
Waterblocking	Dry Waterblocking
Rip-Cord	Yes
Outer Jacket Color	Black
Marking	Per request

## MMF-7-01X01/H-E-2D-KH-D S BK P/N F70010165B

### Performance

Max. Installation Tensile Load (N max.)	800
Max. fiber strain at MIT (%)	0.6
Max. Residual Tension (MRS) (N max)	240
Max. Fiber Strain at MRS (%)	0.2
Impact Resistance (N*m)	1.5
Impact Resistance (cycles)	3
Max. Crush Resistance (N/cm)	200
Min. Bend Radius for Installation (mm)	20xD
Min. Bend Radius for Operation (mm)	10xD
Repeated Bending (cycles)	25
Torsion (L=125 x d) (cycles)	10
Min. Installation Temperature (°C)	-5
Max. Installation Temperature (°C)	+40
Min. Operating Temperature (°C)	-30
Max. Operating Temperature (°C)	+60
Min. Storage Temperature (°C)	-40
Max. Storage Temperature (°C)	+70
Drip Test (°C)	80
UV Resistance	Yes

### Standards

#### Flammability Rating

IEC 60332-1  
IEC 60332-3  
IEC 60754-1/2  
IEC 61034-1/2  
EN 50575:2014 D<sub>ca</sub>s1d1a1 (CPR)

#### Applicable Standards

IEC 60794  
IEC 60794-1-21/22  
RoHS 3 2015/863/EU



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