

MMF-3-01X12/H-E-KH-D#S BK

Part Number: **F30120179B**

Applications: Campus Backbone, General purpose indoor/outdoor LAN
General Construction: The cable contains 12 MM OM4 color coded optical fibers, each with a 0.25 mm outer diameter contained in one micro-module. The micro-module is filled with a thixotropic gel to prevent the ingress of water. The outer jacket incorporates an aramid yarn reinforcement and an outer HFFR jacket completes the cable construction.

Outer Jacket Material: FR-LSZH
Outer Diameter: 2.5 mm nom.
Weight: 8 kg/km



Design & Materials

Buffer Material:	FR-LSZH
Tube Diameter:	1.35 mm nom.
Color Code:	Per TIA/EIA 598-C
Strength Elements:	Aramid Yarns
Fiber Containing Tubes:	1
Number of fibers:	12
Rip-Cord:	Yes
Outer Jacket Color:	Black
Marking:	Per request

Standards

Applicable Standards:	IEC 60794, IEC 60794-1-21/22, RoHS 3 2015/863/EU
Flammability Rating:	IEC 60332-1, IEC 60332-3 , IEC 60754-2, IEC 61034
Installation:	Guidelines as per IEC TR 62691

Performance

Max. Installation Tensile Load :	300 N max.
Max. Residual Tension (MRS) :	180 N max.
Impact Resistance:	5 N*m
Impact Resistance:	3 cycles
Max. Crush Resistance:	100 N/cm
Min. Bend Radius for Installation:	15xD 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:	+60 °C
Min. Operating Temperature:	-20 °C
Max. Installation Temperature:	+40 °C
Min. Installation Temperature:	-10 °C
Max. Storage Temperature:	+60 °C
Min. Storage Temperature:	-30 °C
UV Resistance:	Yes
Waterblocking:	Yes

Prepared By	Revised By	Version Num	Modified on
Olga Kirshner	David Miller	1.2	20-03-2019

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