

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

Part Number: **F30120178B**

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 color coded module is wrapped with swellable tape. The outer jacket incorporates an aramid yarn reinforcement and an outer HFFR jacket completes the cable construction.



Outer Jacket Material:

FR-LSZH

Outer Diameter:

4.8 mm nom.

Weight:

30 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 Diameter:	5.0 mm max.
Outer Jacket Color:	Black
Marking:	Per request

Standards

Applicable Standards:	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 :	1800 N max.
Max. Residual Tension (MRS) :	1000 N max.
Impact Resistance:	5 N*m
Max. Crush Resistance:	100 N/cm
Min. Bend Radius for Installation:	15xD mm
Min. Bend Radius for Operation:	10xD mm
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
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