

MTA-3-12HT-D-KHRH-DD BK

Part Number: **F30121224B**

Applications:

Direct Burial Campus Backbone, General purpose armored Indoor/Outdoor, General purpose armored Outdoor, Outdoor Plant Duct Installation

General Construction:

The cable contains 12 MM OM4 optical fibers each with a 0.9 mm color coded tight buffer. These buffered fibers are stranded around a dielectric central strength member. The cable is reinforced by aramid strength yarns and protected with an inner jacket. The cable core is covered with a water blocking tape, armored and outer jacketed.



Outer Jacket Material:

HFFR

Outer Diameter:

11.5 mm nom.

Weight:

185 kg/km

Design & Materials

Buffer Material:	HFFR
Buffer Diameter:	900 µm
Central Strength Member:	FRP
Strength Elements:	Aramid Yarns
Inner Jacket Material:	HFFR
Aarmor:	Yes
Armoring:	Corrugated Steel - ECCS
Number of fibers:	12
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 60332-1
Installation:	Guidelines as per IEC TR 62691

Performance

Max. Installation Tensile Load :	2700 N max.
Max. Residual Tension (MRS) :	1620 N max.
Impact Resistance:	20 N*m
Impact Resistance:	25 cycles
Max. Crush Resistance:	800 N/cm
Min. Bend Radius for Installation:	20xD mm
Min. Bend Radius for Operation:	20xD mm
Repeated Bending:	25 cycles
Torsion (L=125 x d):	10 cycles
Max. Operating Temperature:	+70 °C
Min. Operating Temperature:	-40 °C
Max. Installation Temperature:	+70 °C
Min. Installation Temperature:	-20 °C
Max. Storage Temperature:	+70 °C
Min. Storage Temperature:	-40 °C
UV Resistance:	Yes
Waterblocking:	Yes
Rodent Resistance:	Yes

Prepared By	Revised By	Version Num	Modified on
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