

MICRO UNIT MCU-3-12X12/H-D-KHRP-DD BK

Part Number: **F31441200B**

Applications:

Campus Backbone, Data-Centers/SANs, Direct Burial Campus Backbone, General purpose armored Indoor/Outdoor, Multifiber array for MPO connectors, Outdoor Plant Duct Installation

General Construction:

144 color coded multimode OM-4 bend insensitive optical fibers each with a 0.25 mm outer diameter, are protected by dielectric strength yarns and jacketed. These 12 color-coded 3.0 mm micro units are stranded around a dielectric central strength member. This cable core is then covered with a waterblocking tape. The cable is reinforced by aramid strength yarns and protected with an inner jacket. An armor layer and a PE outer jacket complete the cable design.

Outer Jacket Material:

PE

Outer Diameter:

21.5 mm nom.

Weight:

480 kg/km



Design & Materials

Buffer Material:	FR-LSZH
Sub-unit/Mini cable Diameter:	3 mm. nom.
Central Strength Member:	FRP
Strength Elements:	Aramid Yarns
Inner Jacket Material:	FR-LSZH
Armor:	Yes
Armoring:	Corrugated Steel - ECCS
Armor Thickness (um):	150 µm
Total Number of Tubes:	12
Number of fibers:	144
Waterblocking:	Dry Waterblocking
Rip-Cord:	Yes
Outer Jacket Color:	Black
Marking:	Per request

Standards

Applicable Standards:	IEC 60794
Installation:	Guidelines as per IEC TR 62691

Performance

Max. Installation Tensile Load :	5500 N max.
Max. Residual Tension (MRS) :	3300 N max.
Max. Crush Resistance:	800 N/cm
Min. Bend Radius for Installation:	20xD mm
Min. Bend Radius for Operation:	20xD mm
Max. Operating Temperature:	+60 °C
Min. Operating Temperature:	-5 °C
Max. Installation Temperature:	+45 °C
Min. Installation Temperature:	0 °C
Max. Storage Temperature:	+70 °C
Min. Storage Temperature:	-20 °C
UV Resistance:	Yes
Waterblocking:	Yes

Prepared By	Revised By	Version Num	Modified on
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