

Alcadon



Fiber Optic Cable Tight Buffer G657.A2

Part Number: **MTX-090-12/A2**



Applications: Backbone and Riser cabling, Centralized Cabling, General purpose indoor/outdoor LAN, Riser cabling, Short distance distribution

General Construction: The cable contains 12 SM G657.A2 optical fibers each with a 0.9 mm color coded Halogen Free buffer. The buffered fibers (two layers) are reinforced and protected by aramid strength yarns and encased within a jacket. Water blocking materials are applied inside.

Outer Jacket Material: FR-LSZH
Outer Diameter: 6.0 mm nom.
Weight: 40 kg/km

Design & Materials

Buffer Material:	FR-LSZH
Buffer Diameter:	900 µm
Strength Elements:	Aramid Yarns
Number of fibers:	12
Waterblocking:	Dry Waterblocking
Rip-Cord:	Yes
Outer Jacket Color:	Green
Marking:	Per request

Standards

Applicable Standards:	IEC 60794-1-21/22, IEC 60794
Flamability Rating:	IEC 60332-1
Installation:	Guidelines as per IEC 60794-1-1 Annex A

Performance

Tensile Strength - Short Term:	1400 N max.
Tensile Strength - Long Term:	800 N max.
Impact Resistance:	1.5 N*m
Max. Crush Resistance:	220 N/cm
Min. Bend Radius for Installation:	120 mm
Min. Bend Radius for Operation:	60 mm
Repeated Bending:	300 cycles
Torsion (L= 125 x d):	10 cycles
Max. Operating Temperature:	+75 °C
Min. Operating Temperature:	-40 °C
Max. Installation Temperature:	+45 °C
Min. Installation Temperature:	-20 °C
Max. Storage Temperature:	+75 °C
Min. Storage Temperature:	-40 °C
UV resistance:	Yes
Waterblocking:	Yes