

Alcadon

Fiber Optic Cable Tight Buffer G657.A2



Part Number: **MTX-090-24/A2**

Applications: Centralized Cabling, Direct termination, Distribution to Riser cabling, General purpose indoor/outdoor LAN, Short and Medium distance distribution and trunking

General Construction: The cable consist of 24 color coded SM G657.A2 optical fibers each with a 0.9 mm buffer stranded in two layers around a flexible dielectric central strength member. The cable is reinforced by aramid strength yarns and protected with a jacket.

Outer Jacket Material: FR-LSZH

Outer Diameter: 8.0 mm nom.

Weight: 65 kg/km



Design & Materials

Buffer Material:	FR-LSZH
Buffer Diameter:	900 µm
Central Strength Member:	Flexible Yarns
Strength Elements:	Aramid Yarns
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:	1800 N max.
Tensile Strength - Long Term:	1000 N max.
Impact Resistance:	3.0 N*m
Max. Crush Resistance:	440 N/cm
Min. Bend Radius for Installation:	20xD mm
Min. Bend Radius for Operation:	10xD mm
Repeated Bending:	300 cycles
Torsion (L=125 x d):	10 cycles
Max. Operating Temperature:	+75 °C
Min. Operating Temperature:	-25 °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