

MTX-500-12/OM3

Part Number: **F40121207Z**

Applications: Centralized Cabling, Distribution to Riser cabling, General purpose indoor LAN

General Construction: The cable contains 12 MM 50/125 um OM3 Bend Insensitive optical fibers each with a 0.9 mm color coded buffer. All cables 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: 36 kg/km



Design & Materials

Buffer Material:	Polyester Elastomer
Buffer Diameter:	900 µm
Strength Elements:	Aramid Yarns
Number of fibers:	12
Waterblocking:	Dry Waterblocking
Rip-Cord:	Yes
Outer Jacket Color:	Aqua
Marking:	TELDOR CABLES FIBER OPTIC CABLE MTX-500-12/OM3

Standards

Applicable Standards:	IEC 60794
Flammability Rating:	IEC 60332-1
Installation:	Guidelines as per IEC TR 62691
CPR Class:	Dca-s1-d2-a1

Performance

Tensile Strength - Short Term:	1400 N max.
Tensile Strength - Long Term:	850 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
Max. Operating Temperature:	+75 °C
Min. Operating Temperature:	-40 °C
Max. Storage Temperature:	+75 °C
Min. Storage Temperature:	-40 °C
UV Resistance:	Yes
Waterblocking:	Yes