

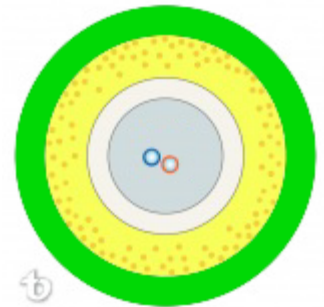
MICRO LOOSE TUBE CABLE MSL-090-02

Part Number: **F70020134E**

Applications: Blown Installation into Microducts, Campus Distribution cabling, General purpose all-dielectric outdoor LAN, Outdoor Plant Duct Installation

General Construction: The cable contains 2 SM type G657A2 color coded optical fibers, each with a 250µm outer diameter. The optical fibers are contained in a loose tube filled with thixotropic gel, which is reinforced by aramid strength yarns and jacketed.

Outer Jacket Material: HFFR
Outer Diameter: 2.8 mm nom.
Weight: 9 kg/km



Design & Materials

Buffer Material:	PBT
Tube Diameter:	1.8 mm nom.
Color Code:	Per TIA/EIA 598-D
Strength Elements:	Aramid Yarns
Number of fibers:	2
Outer Jacket Color:	Green
Marking:	MSL-090-02/L Reel no Mtr marking

Standards

Applicable Standards:	IEC 60794-1-21/22, IEC 60794
Flammability Rating:	IEC 60332-1, IEC 60332-3 , EN 50575:2014 Dcas1d1a1 (CPR)
Installation:	Guidelines as per IEC TR 62691

Performance

Max. Installation Tensile Load :	200 N max.
Max. fiber strain at MIT:	0.6 %
Max. Residual Tension (MRS) :	60 N max.
Max. Fiber Strain at MRS.:	0.2 %
Max. Crush Resistance:	50 N/cm
Min. Bend Radius for Installation:	10xD mm
Min. Bend Radius for Operation:	10xD mm
Repeated Bending:	100 cycles
Torsion (L=125 x d):	10 cycles
Drip Test:	80 °C
Max. Operating Temperature:	+60 °C
Min. Operating Temperature:	-20 °C
Max. Installation Temperature:	+45 °C
Min. Installation Temperature:	-10 °C
Max. Storage Temperature:	+70 °C
Min. Storage Temperature:	-40 °C
UV Resistance:	Yes