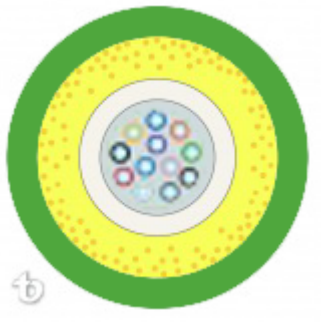
DLT-090-12/A1 Dry Loose Tube Indoor/Outdoor

Part Number: **FA0120173E**



Applications: Campus Backbone, Campus Distribution cabling, General purpose all-dielectric outdoor LAN, General purpose indoor LAN, Outdoor Plant Duct Installation

General Construction: This gel free cable contains 12 ULTRA SM G657.A1 color-coded optical fibers, each with a 250 um outer diameter. The optical fibers are contained in a loose tube including a swellable yarn to prevent the ingress of water. The tube is reinforced by fiber-glass strength yarns. An outer jacket is extruded over the yarns.

Outer Jacket Material: FR-LSZH
Outer Diameter: 7.0 mm nom.
Weight: 46 kg/km

Design & Materials

Buffer Material:	Polypropylene FR
Tube Diameter:	3.1 mm nom.
Color Code:	Per TIA/EIA 598-C
Strength Elements:	E-Glass Yarns
Number of fibers:	12
Waterblocking:	Dry Waterblocking
Rip-Cord:	Yes
Outer Jacket Color:	Green

Standards

Applicable Standards:	IEC 60794-1-21/22, IEC 60794
Flammability Rating:	IEC 60332-1, IEC 60332-3 , IEC 60754-1/2, IEC 60754, IEC 61034, IEC 61034-1/2, EN 50575:2014 $D_{ca}s1d1a1$ (CPR)
Installation:	Guidelines as per IEC TR 62691

Performance

Max. Installation Tensile Load :	1500 N max.
Max. fiber strain at MIT:	0.6 %
Max. Residual Tension (MRS) :	450 N max.
Max. Fiber Strain at MRS.:	0.2 %
Impact Resistance:	10 N*m
Impact Resistance:	3 cycles
Max. Crush Resistance:	400 N/cm
Min. Bend Radius for Installation:	20xD mm
Min. Bend Radius for Operation:	10xD mm
Repeated Bending:	100 cycles
Torsion (L=125 x d):	10 cycles
Max. Operating Temperature:	+70 °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
Waterblocking:	Yes