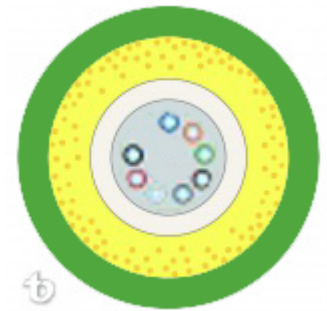


## DLT-090-08 Dry Loose Tube Indoor/Outdoor

**Part Number:** F90080173E

- 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 8 SM G652D color-coded optical fibers, each with a 250 um outer diameter. The optical fibers are contained in a loose tube including swellable yarns 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 mm nom.
- Weight:** 50 kg/km



### Design & Materials

<b>Buffer Material:</b>	Polypropylene FR
<b>Tube Diameter:</b>	3.1 mm nom.
<b>Color Code:</b>	Per TIA/EIA 598-C
<b>Strength Elements:</b>	E-Glass Yarns
<b>Number of fibers:</b>	8
<b>Waterblocking:</b>	Dry Waterblocking
<b>Rip-Cord:</b>	Yes
<b>Outer Jacket Color:</b>	Green

### Standards

<b>Applicable Standards:</b>	IEC 60794-1-21/22, IEC 60794
<b>Flammability Rating:</b>	IEC 60332-1, IEC 60332-3 , IEC 60754-1/2, IEC 60754, IEC 61034, IEC 61034-1/2, EN 50575:2014 Dcas1d1a1 (CPR)
<b>Installation:</b>	Guidelines as per IEC TR 62691

### Performance

<b>Max. Installation Tensile Load :</b>	1500 N max.
<b>Max. fiber strain at MIT:</b>	0.6 %
<b>Max. Residual Tension (MRS) :</b>	450 N max.
<b>Max. Fiber Strain at MRS.:</b>	0.2 %
<b>Impact Resistance:</b>	10 N*m
<b>Impact Resistance:</b>	3 cycles
<b>Max. Crush Resistance:</b>	400 N/cm
<b>Min. Bend Radius for Installation:</b>	20xD mm
<b>Min. Bend Radius for Operation:</b>	10xD mm
<b>Repeated Bending:</b>	100 cycles
<b>Torsion (L=125 x d):</b>	10 cycles
<b>Max. Operating Temperature:</b>	+70 °C
<b>Min. Operating Temperature:</b>	-20 °C
<b>Max. Installation Temperature:</b>	+45 °C
<b>Min. Installation Temperature:</b>	-10 °C
<b>Max. Storage Temperature:</b>	+70 °C
<b>Min. Storage Temperature:</b>	-40 °C
<b>UV Resistance:</b>	Yes
<b>Waterblocking:</b>	Yes