

DLT-500-08/OM5 Dry Loose Tube Indoor/Outdoor

Part Number: **F00080105E**



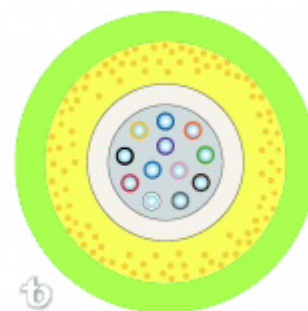
Applications: Campus Backbone, Campus Distribution cabling, General purpose all-dielectric outdoor LAN, General purpose indoor LAN, Outdoor Plant Duct Installation

General Construction: The cable contains 8 MM 50/125 OM5 color coded optical fibers, each with a 250µm 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 HFFR jacket is extruded over the yarns.

Outer Jacket Material: LSZH

Outer Diameter: 7.0 mm nom.

Weight: 50 kg/km



Design & Materials

Buffer Material:	PBT
Tube Diameter:	3.1 mm nom.
Strength Elements:	E-Glass Yarns
Number of fibers:	8
Waterblocking:	Dry Waterblocking
Rip-Cord:	Yes
Outer Jacket Color:	Lime Green
Marking:	Per request

Standards

Applicable Standards:	IEC 60794-1-21/22, IEC 60794
Flammability Rating:	IEC 60332-1, EN 50575:2014 Dcas2d1a1 (CPR)



Performance

Max. Installation Tensile Load :	1500 N max.
Max. fiber strain at MIT:	0.6 %
Max. Residual Tension (MRS) :	900 N max.
Max. Fiber Strain at MRS.:	0.2 %
Span:	450 m
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:	-40 °C
Max. Installation Temperature:	+45 °C
Min. Installation Temperature:	-20 °C
Max. Storage Temperature:	+70 °C
Min. Storage Temperature:	-40 °C
UV Resistance:	Yes
Waterblocking:	Yes