

DLT-090-48 Dry Loose Tube SM Cable

Part Number: **F9048045SE**

Applications:

CATV and DataCom, Direct burial, General purpose indoor/outdoor LAN, Long Distance OSP

General Construction:

This gel free cable contains 48 SM G652D color-coded optical fibers in 4 color-coded polypropylene FR loose tubes. These tubes include a swellable yarn to prevent the ingress of water and are SZ stranded with 1 filler around a dielectric central strength member. Waterblocking fiber-glass strength yarns reinforce the cable core and an outer jacket completes the cable design.

Outer Jacket Material:

FR-LSZH

Outer Diameter:

10 mm nom.

Weight:

97 kg/km



Design & Materials

Tube Diameter:	2.5 mm nom.
Color Code:	Per TIA/EIA 598-C
Central Strength Member:	FRP
Cabling:	SZ
Strength Elements:	E-Glass Yarns
Fiber Containing Tubes:	4
Total Number of Tubes:	5
Number of fibers:	48
Waterblocking:	Dry Waterblocking
Rip-Cord:	Yes
Outer Jacket Color:	Green
Marking:	Teldor Standard

Standards

Applicable Standards:	IEC 60794-1-21/22, IEC 60794, ISO/IEC 11801-1, TIA/EIA-568, ASTM G154, RoHS 3 2015/863/EU
Flammability Rating:	IEC 60332-1, IEC 60332-3, IEC 60754-2, IEC 61034, EN 50575:2014 Dcas1d1a1 (CPR)
Installation:	Guidelines as per IEC TR 62691

Performance

Max. Installation Tensile Load :	2000 N max.
Max. Residual Tension (MRS) :	1200 N max.
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:	25 cycles
Torsion (L=125 x d):	10 cycles
Max. Operating Temperature:	+75 °C
Min. Operating Temperature:	-40 °C
Max. Installation Temperature:	+45 °C
Min. Installation Temperature:	-20 °C
Max. Storage Temperature:	+75 °C
Min. Storage Temperature:	-40 °C
UV Resistance:	Yes
Waterblocking:	Yes