

Applications

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



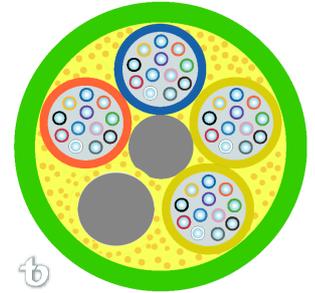
Outer Jacket Material
FR-LSZH



Outer diameter
10 mm nom.



Weight
105 kg/km



General Construction

The gel free cable contains 48 optical fibers of two types: 24 SM G652.D color coded optical fibers are contained in 2 loose tubes and 24 MM OM4 50/125/250 um color coded optical fibers are contained in another color-coded loose tubes. These tubes include a swellable yarn to prevent the ingress of water and are SZ stranded with 1 fillers around a dielectric central strength member. Waterblocking fiber-glass strength yarns reinforce the cable core and an outer jacket completes the cable design.

Tubes color code:

MM: Blue, Orange

SM: Yellow, Yellow

Design & Materials

Color Code	Per TIA/EIA 598-D
Number Of Fibers	48
Waterblocking	Dry Waterblocking
Rip-Cord	Yes
Outer Diameter (mm nom)	10
Outer Jacket Color	Green
Marking	Teldor Standard
Outer Jacket Material	FR-LSZH

LD24xOM4+24x090
P/N FM0480479E

TELECOM

Performance

Max. Installation Tensile Load (N max.)	2000
Max. fiber strain at MIT (%)	0.6
Max. Residual Tension (MRS) (N max)	600
Max. Fiber Strain at MRS (%)	0.2
Impact Resistance (N*m)	10
Impact Resistance (cycles)	3
Max. Crush Resistance (N/cm)	400
Min. Bend Radius for Installation (mm)	20xD
Min. Bend Radius for Operation (mm)	10xD
Repeated Bending (cycles)	25
Torsion (L=125 x d) (cycles)	10
Min. Installation Temperature (°C)	-20
Max. Installation Temperature (°C)	+45
Min. Operating Temperature (°C)	-40
Max. Operating Temperature (°C)	+75
Min. Storage Temperature (°C)	-40
Max. Storage Temperature (°C)	+70
UV Resistance	Yes
Waterblocking	Yes

Standards

Flammability Rating
IEC 60332-1
IEC 60332-3
IEC 60754-1/2
IEC 61034-1/2
EN 50575:2014 D_{Ca}s1d1a1 (CPR)

Applicable Standards
IEC 60794
IEC 60794-1-21/22
ISO/IEC 11801-1
TIA/EIA-568
RoHS 3 2015/863/EU



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