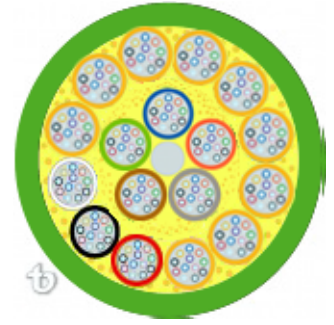


LDB-1-4-08X12+9-08X12-D-ZH-D GN

Part Number: **FM1921604E**

Applications: Blown Installation, CATV and DataCom, Long Distance OSP, Outdoor Plant Duct Installation

General Construction: The cable contains 96 color-coded SM G652D optical fibers and 96 color-coded MM OM-3 optical fibers in 16 loose tubes, 12 fibers in each tube. The tubes are filled with a thixotropic gel to prevent the ingress of water and SZ stranded around a dielectric central strength member. Glass strength yarns reinforce the cable core and an outer jacket completes the cable structure.



Tubes color code:

1st layer 5 tubes with MM fibers: 1.Blue 2.Orange 3.Green
4.Brown 5.grey

2nd layer:

3 tubes with MM fibers: 6.white 7.red 8.black and **8 tubes with G652D fibers:** yellow

Outer Jacket Material: FR-LSZH
Outer Diameter: 13.5 mm nom.
Weight: 170 kg/km

Design & Materials

Buffer Material:	PBT
Tube Diameter:	2.1 mm nom.
Color Code:	Per TIA/EIA 598-C
Central Strength Member:	FRP
Cabling:	SZ
Strength Elements:	E-Glass Yarns
Fiber Containing Tubes:	16
Number of fibers:	192
Waterblocking:	Dry Waterblocking
Rip-Cord:	Yes
Outer Jacket Color:	Green
Marking:	Per request

Standards

Applicable Standards:	IEC 60794, IEC 60794-1-21/22, ISO/IEC 11801-1, TIA/EIA-568
Flammability Rating:	IEC 60332-1
Installation:	Guidelines as per IEC TR 62691

Performance

Tensile Strength - Short Term:	2000 N max.
Tensile Strength - Long Term:	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
Drip Test:	80 °C
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

