

LDB-6-01X04-D-ZHIH-DD#S BK

FIBEROPTICS

P/N F600401E7B

INDUSTRY

Applications

General purpose armored Outdoor, Long Distance OSP, Rugged environments



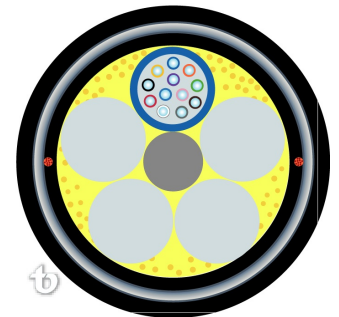
Outer Jacket Material
FR-LSZH



Outer diameter
13.5 mm nom.



Weight
280 kg/km



General Construction

The cable contains 4 MM 62.5/125/250 um color-coded optical fibers contained in 1 color-coded loose tube. This tube is filled with a thixotropic gel to prevent the ingress of water and is SZ stranded with 4 fillers around a dielectric central strength member. Fiber-glass strength yarns reinforce the cable core beneath an inner jacket. The inner cable is wrapped with a layer of braided bronze wires. An outer jacket completes the cable construction.

Design & Materials

Buffer Material	PBT
Tube Diameter (mm nom)	2.1
Color Code	Per TIA/EIA 598-D
Central Strength Member (O.D. nom)	FRP
Cabling	SZ
Strength Elements	E-Glass Yarns
Inner Jacket Material	FR-LSZH
Armoring	Braided Bronze Wire
Armoring Wire Diameter (mm. nom.)	0.32
Fiber Containing Tubes	1
Total Number Of Elements	5
Number Of Fibers	4
Rip-Cord	Yes
Total Number Of	8
Outer Jacket Color	Black
Marking	Per request

INDUSTRY

Performance

Max. Installation Tensile Load (N max.)	2700
Max. fiber strain at MIT (%)	0.6
Max. Residual Tension (MRS) (N max)	810
Max. Fiber Strain at MRS (%)	0.3
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)	20xD
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)	-60
Max. Operating Temperature (°C)	+75
Min. Storage Temperature (°C)	-60
Max. Storage Temperature (°C)	+75
Drip Test (°C)	80
UV Resistance	Yes

Standards

Flammability Rating
IEC 60332-3-25(D)
IEC 60332-1

Applicable Standards
IEC 60794
IEC 60794-1-21/22
ASTM G154
RoHS 3 2015/863/EU



Teldor Cables & Systems Ltd. ("Teldor") reserves the right to make changes to the products described in this catalog without prior notice. Teldor does not assume any liability which may occur due to the use of the products described herein. Drawings may not be to scale and are provided for general and informational purposes only. The information contained in this catalog is the proprietary property of Teldor, and may not be used, reproduced or disclosed to others, in whole or in part, without the written authorization of Teldor.

Version 1.3 | Last update: 2021-08-12