

DUCT32-LDB-9-04X12-D-KPJP-DD OG FIBEROPTICS

P/N F904804DIX

INDUSTRY

Applications

Blown Installation, CATV and DataCom, Direct Burial Campus Backbone, General purpose armored Outdoor, Long Distance OSP, Outdoor Plant Duct Installation, Rugged environments



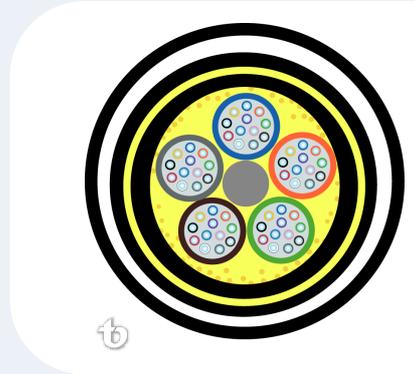
Outer Jacket Material
HDPE



Outer diameter
12 mm nom.



Weight
113 kg/km



General Construction

The cable contains 48 singlemode G652D color-coded optical fibers contained in 4 color-coded loose tubes. These tubes are filled with a thixotropic gel to prevent the ingress of water and are SZ stranded with one filler(white) around a dielectric central strength member. Aramid strength yarns reinforce the cable core. The inner jacket is extruded over the aramid yarns. A layer of swellable glass yarns stranded above the inner jacket serve as a rodent resistance. An outer jacket made of PE completes the cable structure.

The cable is supplied inside a duct ready for direct burial.

The following data is valid for the duct only:

Nominal outer diameter of the duct: 32mm

Nominal wall thickness of the duct: 2.6mm

Raw material: HDPE with a low friction coefficient silicone inner layer

The maximum continuous length of cable in this duct is 4000m

All additional data in this document refer to the cable itself.

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	Aramid Yarns Dielectric Strength Yarns
Inner Jacket Material	MDPE
Inner Jacket Thickness (mm nom)	0.7
Armor	Yes
Armoring	Dielectric Yarns
Fiber Containing Tubes	4
Total Number Of Elements	5
Number Of Fibers	48

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Waterblocking	Dry Waterblocking
Rip-Cord	Yes
Total Number Of	8
Outer Jacket Thickness (mm nom)	1.5
Outer Jacket Color	Orange
Marking	Teldor Standard

Performance

Max. Installation Tensile Load (N max.)	3000
Max. fiber strain at MIT (%)	0.6
Max. Residual Tension (MRS) (N max)	900
Max. Fiber Strain at MRS (%)	0.2
Impact Resistance (N*m)	10
Impact Resistance (cycles)	3
Max. Crush Resistance (N/cm)	500
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)	+70
Min. Storage Temperature (°C)	-40
Max. Storage Temperature (°C)	+70
Drip Test (°C)	80
UV Resistance	Yes
Waterblocking	Yes

Standards

Applicable Standards
 IEC 60794
 IEC 60794-1-21/22
 ISO/IEC 11801-1
 TIA/EIA-568



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