Alcadon

LD-Fiberkabel

Applications:	Blown Installation, CATV and DataCom, Long Distance OSP, Outdoor Plant Duct Installation
General Construction:	
	The cable contains up to 288 SM color-coded optical fibers contained in up to 24 color-coded loose tubes, each tube contains up to 12 fibers. These tubes are filled with a thixotropic gel to prevent the ingress of water and SZ stranded around a dielectric central strength member. Fillers are used as needed to preserve cable geometry. Fiber-glass strength yarns reinforce the cable core and an outer jacket completes the cable structure.
Outer Jacket Material:	HFFR

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
Total Number of Tubes:	Up to 24
Number of fibers:	Up to 288
Waterblocking:	Dry Waterblocking
Outer Jacket Color:	Green
Marking:	Part no. Batch no. Lenght

Standards

Applicable Standards:	IEC 60794, ISO/IEC 11801, TIA/EIA-568
Installation:	Guidelines as per IEC 60794-1-1 Annex A

Alcadon

Performance

Max. Tensile Strength - Short Term:	See table below N
Max. Tensile Strength - Long Term:	60% of Max. tensile load N
Impact Resistance:	4.4 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
Max. Operating Temperature:	+70 °C
Min. Operating Temperature:	-40 °C
Max. Storage Temperature:	+70 °C
Min. Storage Temperature:	-40 °C
UV resistance:	Yes
Waterblocking:	Yes

Alternatives:

No. of Fibers	Teldor P/N	Product Description	Outer Diameter (mm)	Cable Weight (kg/km)	Max. Installation Load (N)
4	F90040155B	LDB-9-01X04-D-ZP-D BK *01	9.5	75	2700
6	F90060142B	LDB-9-01X06-D-ZP-D BK	9.5	75	2700
8	F90080146B	LDB-9-01X08-D-ZP-D BK *01	9.5	75	2700
12	F90120169B	LDB-9-01X12-D-ZP-D BK *01	9.5	75	2700
18	F90180303B	LDB-9-03X06-D-ZP-D BK	9.5	75	2700
24	F90240209B	LDB-9-02X12-D-ZP-D BK *00	9.5	75	2700
36	F90360330B	LDB-9-03X12-D-ZP-D BK *01	9.5	75	2700
48	F90480490B	LDB-9-04X12-D-ZP-D BK *03	9.5	75	2700
72	F90720614B	LDB-9-06X12-D-ZP-D BK	10.0	85	2700
96	F90960803B	LDB-9-08X12-D-ZP-D BK	11.5	100	2700
144	F91441214B	LDB-9-12X12-D-ZP-D BK	14.0	155	2700
192	F91921613B	LDB-9-16X12-D-ZP-D BK *01	14.0	155	2700
288	F92882401B	LDB-9-24X12-ZP-D	16.0	195	2700