

SLA-9-01X12-JP-D BK TR

FIBEROPTICS

P/N F9012011SB

TELECOM

Applications

Campus Backbone, Campus Distribution cabling, Direct burial, General purpose all-dielectric outdoor LAN, General purpose armored Outdoor, Outdoor Plant Duct Installation



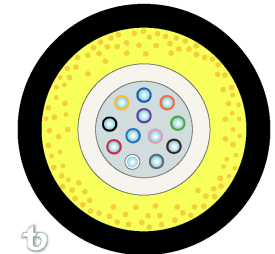
Outer Jacket Material
UV/Termite & Rodent Resistant HDPE



Outer diameter
7.3 mm nom.



Weight
51 kg/km



General Construction

The cable contains 12 color coded single mode optical fibers per ITU-T G.652D, each with a 250µm outer diameter. The optical fibers are contained in a loose tube filled with thixotropic gel, that is reinforced and protected by a thick layer of waterblocking strength glass yarns, that also serves as a dielectric armor and jacketed with a PE outer jacket compound.

Design & Materials

Buffer Material	PBT
Tube Diameter (mm nom)	3.1
Strength Elements	E-Glass Yarns
Number Of Fibers	12
Waterblocking	Dry Waterblocking
Rip-Cord	Yes
Outer Jacket Color	Black
Possible Hazard	DURING HANDLING OF THIS CABLE EITHER WEAR PROTECTIVE GLOVES OR WASH YOUR HANDS THOROUGHLY AFTERWARDS.
Marking	Per request

Performance

Max. Installation Tensile Load (N max.)	2700
Max. fiber strain at MIT (%)	0.6
Max. Residual Tension (MRS) (N max)	1600
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. Operating Temperature (°C)	-20
Max. Operating Temperature (°C)	+70
Min. Storage Temperature (°C)	-40
Max. Storage Temperature (°C)	+70
UV Resistance	Yes
Waterblocking	Yes

Standards

Applicable Standards
IEC 60794
IEC 60794-1-21/22



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