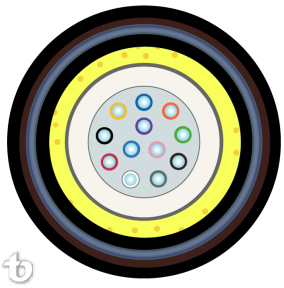
SLD-9-01X12-ZHBH-DD FI XLHFFR YO SHF2 FIBEROPTICS
P/N F901201YIY

INDUSTRY

Applications

Campus Distribution cabling, Direct Burial Campus Backbone, General purpose armored Outdoor, Rugged environments



Outer Jacket Material	Outer diameter	Weight
XL-HFFR	11.2 mm nom.	182 kg/km

General Construction

The cable comprises 12 color-coded SM G652D optical fibers housed within a dry loose tube Wrapped in a fire resistant tape. The tube is reinforced and protected by water-blocking glass yarns and enclosed within an inner jacket. For enhanced durability, the inner cable is armored with a steel wire braid, while an outer jacket provides additional protection, completing the cable construction.

Design & Materials

Fiber Type	Single-mode|Single-mode G.652|SM-G652.D
Buffer Material	HFFR
Buffer Tube Diameter (mm nom)	3.1
Color Code	Per TIA/EIA 598-D
Number Of Fibers	12
Inner Jacket Material	LSZH
Armoring	Served Galvanized Steel Wire
Armoring Wire Diameter (mm. nom.)	0.3
Rip-Cord	Yes
Outer Diameter (mm nom)	11.2
Outer Jacket Color	Yellow
Marking	Per request
Outer Jacket Material	XL-HFFR

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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 (%)	0.2
Max. Crush Resistance (N/cm)	400
Min. Bend Radius for Installation (mm)	20xD
Min. Bend Radius for Operation (mm)	20xD
Min. Operating Temperature (°C)	–40
Max. Operating Temperature (°C)	+80
Min. Storage Temperature (°C)	–40
Max. Storage Temperature (°C)	+80
UV Resistance	Yes
Waterblocking	Yes

Standards

Flammability Rating
IEC 60331-21
IEC 60331-25
IEC 60332-1
IEC 60754-1/2
IEC 60754-2
IEC 61034-1/2
ASTM D 2863
BS EN ISO 4589-3
EN 50575:2014 E_{ca} (CPR)

Applicable Standards
IEC 60092-360
IEC 60793-2-50
IEC 60794-1-1
IEC 60794-1-21/22
ISO/IEC 24702
ASTM G154
RoHS 3 2015/863/EU

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