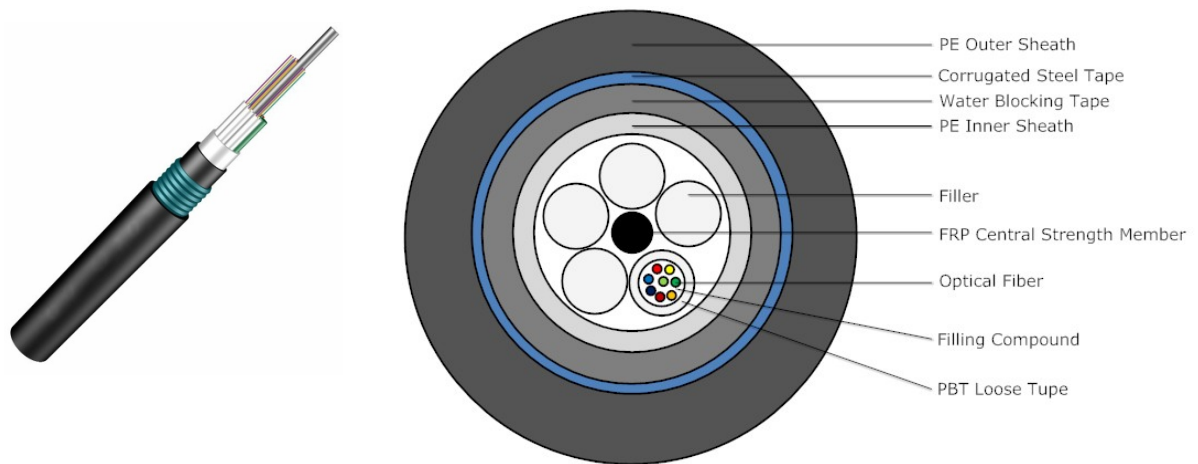


Single Jacket Duplex Armor Outdoor Cable Arid-Core Construction Stranded Loose Tube



General Specifications

Cable Type	Stranded loose tube
Construction Type	Armored
Subunit Type	Gel-free

Construction Materials

Fiber Type Solution	zero water peak multimode fiber Armored
Total Fiber Quantity	12
Armor Type	Corrugated steel
Armored steel Quantity	2 Armored steel
Fiber Type	zero water peak multimode fiber
Fiber Quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized
Buffer Tube/Subunit Diameter	2.50 mm 0.10 in
Cable Weight	210.0 kg/km 78.0 lb/kft
Diameter Over Jacket	13.00 mm 0.45 in
Filler, quantity	12 Single Core
Subunit, quantity	0

Environmental Specifications

Environmental Space	Aerial, lashed Buried
Installation Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)

Physical Specifications

Minimum Bend Radius, loaded	17.3 cm 6
Minimum Bend Radius, unloaded	11.5 cm 4.5 in
Tensile Load, long term, maximum	180 lbf 800 N
Tensile Load, short term, maximum	2700 N 607 lbf
Vertical Rise, maximum	705.0 m 2313.0 ft

Mechanical Test Specifications

Compression	250 lb/in 44 N/mm
Compression Test Method	FOTP-41 IEC 60794 -1-2, Section 7
Flex	35 cycles
Flex Test Method	FOTP-24 IEC 60794 -1-2, Section 10
Impact	2.17 ft lb 2.94 N -m
Impact Test Method	FOTP-25 IEC 60794 -1-2, Section 8
Strain	See long and short term tensile loads
Strain Test Method	FOTP-33 IEC 60794 -1-2, Section 5
Twist	10 cycles
Twist Test Method	FOTP-85 IEC 60794 -1-2, Section 11
Water Penetration	24 h
Water Penetration Test Method	FOTP-82 IEC 60794 -1-2, Section 24

Fiber Optic Technical Specifications

Transmission Standards	OM2 (50/125) um
100 Mb Ethernet	up to 850 meters (SX)
1 Gb (1000 Mb) Ethernet	850 meters (SX)
10 Gb Ethernet	100 meters (SR)
40 Gb Ethernet	Not supported
TIA Fiber Standard	492-AAAA
Overfilled Launch (OFL) @850nm	200 MHz * km Bandwidth
Effective Modal Bandwidth (EMB) @850nm	n/s
Overfilled Launch (OFL) @1300nm	500 MHz * km Bandwidth

Environmental Test Specifications

Cable Freeze	-2 °C 28 °F
Cable Freeze Test Method	FOTP-98
Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	Not applicable
Low High Bend	-30 °C to +60 °C (-22 °F to +140 °F)
Low High Bend Test Method	FOTP-28 IEC 60794 -1-2, Section 28
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3 IEC 60794 -1-2, Section 22

Qualification Specifications

Cable Qualification Standards	ANSI/ICEA S-87-640-2006 EN 187105 Telcordia GR -20-CORE Issue 3
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Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

