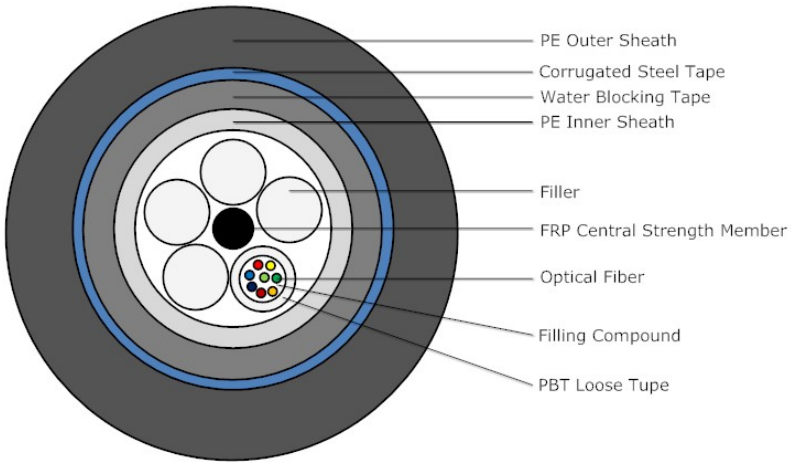
P/N. GYFT53

Single Jacket Duple 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 singlemode fiber Armored
Total Fiber Quantity	12
Armor Type	Corrugated steel
Armored steel Quantity	2 Armored steel
Fiber Type	zero water peak multilemode 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	OS1 (9/125) um
Attenuation	≤ 0.39 dB/km
1310 nm -1625 nm	≤ 0.25 dB/km
1550 nm	Max. 0.1 dB/km
Inhomogeneity of OTDR trace for any two 1000 meter fiber lengths	
Bandwidth	1.467
Group index of refraction at 1310 nm	1.468
Group index of refraction at 1550 nm	1.468
Group index of refraction at 1625 nm	

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

Regulatory Compliance/Certifications

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