

Product: [FMGA71HA096BKAA](#) 



Outdoor Dry Core Dry Tube Multi Loose Tube Cable, G657A1, 96 Fibers, CSTA

Product Description

Outdoor Dry Core Dry Tube Multi Loose Tube Optical Cable, G657A1, 96 Fibers Corrugated Steel Tape Armor, Single HDPE Black Jacket

Technical Specifications

Product Overview

Suitable Applications:	Outdoor
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Fiber Specifications

Fiber Type:	OS2, G.657.A1, G.652.D
Fiber Core Diameter:	9 µm
Buffer Material:	PBT – Polybutylene Terephthalate
Fiber Count:	96
Fiber Color Coding:	TIA-598-D

Cable Construction

Fibers Per Subunit:	12
Subunit Waterblocking:	Yarn Filled
Subunit Color:	Blue, Orange, Green, Brown, Slate, White, Red, Black
Central Strength Member:	GRP

Armor Specifications

Armor Type and Material:	CST - Corrugated Steel Tape
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Outer Jacket Specifications

Material:	PE - Polyethylene
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Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.35 dB/km	0.25 dB/km
Mode Field Diameter	9.1 µm	10.4 µm

Mechanical Characteristics

Min. Bend Radius During Installation:	20x Cable OD
Min. Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	2700 N (610 lbf)
Max. Tensile Strength During Operation:	890 N (200 lbf)
Crush Resistance:	4400 N/100mm
Bulk Cable Weight:	155 kg/km (104 lbs/1000ft)

Temperature Range

Installation Temp Range:	-30 °C to +70 °C
Operating Temp Range:	-40 °C to +70 °C
Storage Temp Range:	-40 °C to +75 °C

Standards and Compliance

Environmental Suitability:	Outdoor, Burial
TIA/EIA Compliance:	ANSI/ICEAS-87-640, Telcordia GR-20, EIA/TIA-455

History

Update and Revision:	Revision Number: 0.17 Revision Date: 12-15-2021
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