



Product: [GCDE896](#) 

Indoor/Outdoor Loose Tube Corrugated Steel Tape armour 96 Fibers
G652D/G657A1-OS2

Product Description

Universal (Indoor/Outdoor) Dry Core Corrugated Steel Tape Armour Rodent Protection Double Jacket Multi Loose Tube Optical Cable 96 x 9/125-G652D/G657A1-OS2 A/I-DQ(ZN)H(SR)H

Technical Specifications

Construction Type:	Multi Loose Tube
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Product Overview

Environmental Space:	Indoor/Outdoor
Suitable Applications:	For outdoor and indoor use in structured (data) wiring systems such as industrial backbone, campus backbone, building backbone (riser) and/or horizontal cabling. For outdoor and indoor use in networks for industrial, telecom, cable TV and/or broadcast. Easy to install in ducts, tunnels and trenches and/or tubes. Suitable for Direct Burial.

Construction

Fiber Cable Construction

Fiber Type	Fiber Grade acc. ITU-T	Fiber Count	Subunit Color	Subunit Color 2
OS2	G652D & G657A1	96	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black	Europe coding (Gxxxxx.0): Red, Green, Rest White
Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua			
Fiber Color Coding 2:	Europe coding (Gxxxxx.0): Red, Natural, Yellow, Blue, Green, Violet, Brown, Black, Orange, Aqua, Pink, White			
Central Strength Member:	GRP			
Cable Core Water Tight:	Yes			
Cable Core Water Blocking:	Waterblocking Aramid Yarns + Tape			
Bulk Cable Weight:	337 kg/km			

SubUnit Specifications

Number of Active Subunits:	8
Number of Subunit Positions:	8
Fibers Per Subunit:	12
SubUnit Diameter:	0.098 in (2.5 mm)
SubUnit Waterblocking:	Gel Filled

Jacket Specifications

Number of Jackets:	Double Jacket
Type of Armor:	Corrugated Steel Tape

Inner Jacket

Nominal Diameter:	12.9 mm
Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)

Outer Jacket

Outer Jacket Material

Material	Nominal Diameter	Ripcord
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Optical Characteristics

Fiber Core Diameter:	9 µm
Max Attenuation at 1310 nm:	0.39 dB/km
Max Attenuation at 1550 nm:	0.24 dB/km

Mechanical Characteristics

Mechanical Tests

Description	Tested Standard	Requirement/Value	According to Family Specification
Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E6	348 mm	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	348 mm	IEC 60794-3-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	2900 N (652 lbf)	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	950 N (214 lbf)	IEC 60794-3-10
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	22 kN/m	
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	11 kN/m	IEC 60794-3-10

Temperature Range

Operating Temp Range:	-30 °C to +70 °C
Installation Temp Range:	-5 °C to +50 °C
Storage Temp Range:	-30 °C to +70 °C

Standards

UL Rating/Flame Test:	Non-UL Rated
IEC Flammability:	IEC 60332-1-2
Reaction to Fire - Bundle Flame Test:	IEC 60332-3-22
REACH:	Compliant
IEC Compliance:	IEC 60794
EU Directive 2011/65/EU (ROHS II):	Compliant
UV/ Sunlight Protection:	yes

History

Variants

Item #	Color	Length
GCDE896.012100	Black	2,100 m

Update and Revision:	Revision Number: 0.80 Revision Date: 09-21-2020
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