



Product: [GCAD824](#) 

Indoor/Outdoor Loose Tube 24 Fibers G652D/G657A1-OS2

Product Description

Universal (Indoor/Outdoor) Dry Core Multi Loose Tube Optical Cable 24 x 9/125-G652D/G657A1-OS2 A/I-DQ(ZN)H

Technical Specifications

Product Overview

Construction Type:	Multi Loose Tube
Environmental Space:	Indoor/Outdoor - Euroclass Dca
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/or tubes.

Construction

Fiber Cable Construction

Fiber Type	Fiber Grade acc. ITU-T	Fiber Count	Subunit Color	Subunit Color 2
OS2	G652D & G657A1	24	TIA coding (Gxxxxx.T): Blue, Orange	Europe coding (Gxxxxx.0): Red, Green

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:	131 kg/km

SubUnit Specifications

Number of Active Subunits:	2
Number of Subunit Positions:	6
Fibers Per Subunit:	12
Subunit Diameter:	0.098 in (2.5 mm)
Subunit Waterblocking:	Gel Filled

Jacket Specifications

Number of Jackets:	Single Jacket
Type of Armor:	Non-Armored

Outer Jacket Specifications

Outer Jacket

Material	Nominal Diameter	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	12.2 mm	1

Optical Characteristics

Fiber Core Diameter:	9 µm
Max. Attenuation at 1310 nm:	0.40 dB/km

Max. Attenuation at 1550 nm:	0.24 dB/km
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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	244 mm	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	244 mm	IEC 60794-3-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	2700 N (607 lbf)	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	900 N (202 lbf)	IEC 60794-3-10
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	15 kN/m	
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	7.5 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 60332-3-24
CPR Euroclass:	Dca-s2,d2,a1
REACH:	Compliant
ISO/IEC Compliance:	IEC 60794
EU Directive 2011/65/EU (RoHS 2):	Compliant
UV/ Sunlight Protection:	Yes

Part Number

Variants

Item #	Color	Put-Up Type	Length	EAN
GCAD824.002100	Black	Reel	2,100 m	8719605072047

History

Update and Revision:	Revision Number: 0.84 Revision Date: 12-15-2021
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