



Product: <u>GBAI856</u> ☑

Outdoor Loose Tube 56 Fibers G.652D/G.657A1-OS2

Product Description

Outdoor Dry Core Multi Loose Tube Optical Cable 56 x 9/125-G.652D/G.657A1-OS2 A-DQ(ZN)2Y

Technical Specifications

Product Overview

Construction Type:	Multi Loose Tube
Environmental Space:	Outdoor
Suitable Applications:	For outdoor use in structured (data) wiring systems such as industrial backbone, campus backbone, building backbone (riser) and/or horizontal cabling. For outdoor 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 Cable	Iber Cable Construction			
Fiber Type Fiber Grade acc. ITU-T Fiber Count		Fiber Count	Subunit Color	
OS2	G.652D & G.6	57A1	56	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red
Fiber Color	Coding:	TIA coding	g (Gxxxxxx.T):	Blue, Orange, Green, Brown, Gray, White, Red, Black
Central Stre	ength Member:	GRP		
Cable Core	Water Tight:	Yes		
Cable Core Blocking:	e Core Water king: Waterblocking Aramid Yarns + Tape			
Bulk Cable Weight: 87 kg/km				

SubUnit Specifications

Number of Active Subunits:	7
Number of Subunit Positions:	8
Fibers Per Subunit:	8
Subunit Diameter:	1.9 mm
Subunit Waterblocking:	Gel Filled

Jacket Specifications

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

Outer Jacket

Outer Jacket Material

Material	Color	Nominal Diameter	Ripcord
PE - Polyethylene	Black	10.5 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
Max Attenuation at 1625 nm:	0.29 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	210 mm	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	158 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	IEC 60794-3-10
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	7.5 kN/m	IEC 60794-3-10
Cable Impact Resistance	IEC 60794-1-21-E4	10 J, 300 mm Radius, 3 Cycles	IEC 60794-3-10
Cable Torsion Resistance	IEC 60794-1-21-E7	180°, 2 m, 10 cycles	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
REACH:	Compliant
IEC Compliance:	IEC 60794
EU Directive 2011/65/EU (ROHS II):	Compliant
UV/ Sunlight Protection:	yes
History	

History

Update and Revision: Revision Number: 0.10 Revision Date: 03-30-2021

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