


Product: [FKGU12MB006BKAA](#) 

Outdoor Dry Core Dry Tube Multi Loose Tube Cable, G652D, 6 Fibers, CSTA



Product Description

Outdoor Dry Core Dry Tube Multi Loose Tube Optical Cable, G652D, 6 Fibers Corrugated Steel Tape Armor, Single HDPE Black Jacket

Technical Specifications

Product Overview

Environmental Space:	Outdoor
Suitable Applications:	Outdoor

Construction

Fiber Cable Construction

Fiber Type	Fiber Grade acc. ITU-T	Fiber Count	Subunit Color
OS2, G.652.D	G652 D	6	Blue

Fiber Color Coding:	TIA-598-D
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Buffer Specification

Buffer Material	
PBT – Polybutylene Terephthalate	
Central Strength Member:	GRP
Cable Core Water Tight:	Yes
Cable Core Water Blocking:	Waterblocking Yarns + Tape
Bulk Cable Weight:	120 kg/km

SubUnit Specifications

Number of Active Subunits:	1
Fibers Per Subunit:	6
Subunit Waterblocking:	Yarn Filled

Jacket Specifications

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

Outer Jacket Specifications

Outer Jacket

Material	Color	Nominal Diameter
PE - Polyethylene	Black	11.7 mm

Optical Characteristics

Mode Field Diameter at 1310 nm:	9.1 μm
Mode Field Diameter at 1550 nm:	10.3 μm
Fiber Core Diameter:	9 μm
Max. Attenuation at 1310 nm:	0.35 dB/km

Max. Attenuation at 1550 nm:	0.25 dB/km
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Mechanical Characteristics

Mechanical Tests

Description	Tested Standard	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E11	20x Cable OD
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	15x Cable OD
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	2700 N (607 lbf)
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	890 N (200 lbf)
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	4400 N/100mm
Cable Impact Resistance	IEC 60794-1-21-E4	6.62 N.m

Temperature Range

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

Standards

TIA/EIA Compliance:	ANSI/ICEAS-87-640, Telcordia GR-20, EIA/TIA-455
ISO/IEC Compliance:	IEC 60793, IEC 60794-1
RoHS:	Yes
EU Directive 2011/65/EU (RoHS 2):	Compliant
UV/ Sunlight Protection:	Yes

Part Number

Variants

Item #	Color	Length
FKGU12MB006BKAA	Black	2,000 m

History

Update and Revision:	Revision Number: 0.22 Revision Date: 12-15-2021
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