



Product: [DKLU12MA012BKAA](#)

Universal OFC MLT: Gel filling loose tubes(6f/T), Dry core, WB Tape + CST + Single LSZH Jacket (black) 12F G652D

Product Description

Universal (Indoor/Outdoor) Gel filling loose tubes(6f/T) dry core optical fiber Multi Loose Tube cable with GRP, Water Blocking tape, Corrugated Steel Tape armor and Single LSZH jacket (black) 12F G652D

Technical Specifications

Product Overview

Construction Type:	Multi Loose Tube
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 Count	Subunit Color
OS2, G.652.D	12	Blue, Orange, Filler, Filler, Filler, Filler, Filler

Fiber Color Coding:	TIA-598-D
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Buffer Specification

Buffer Material	
PBT – Polybutylene Terephthalate	
Central Strength Member:	GRP
Cable Core Waterblocking:	Waterblocking Yarns + Tape
Bulk Cable Weight:	180 kg/km

SubUnit Specifications

Fibers Per Subunit:	6
Subunit Waterblocking:	Gel Filled

Jacket Specifications

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

Outer Jacket Specifications

Outer Jacket

Material	Color	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	Black	12.4 mm	1.8 mm

Number of Ripcords:	2
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Optical Characteristics

Mode Field Diameter at 1310 nm:	9.2 μm
Mode Field Diameter at 1550 nm:	10.4 μm
Max. Attenuation at 1310 nm:	0.36 dB/km

Max. Attenuation at 1550 nm:	0.22 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	20 x Cable OD
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	10 x Cable OD
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	2000 N (450 lbf)
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	600 N (135 lbf)
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	1000 N/100mm

Temperature Range

Operating Temperature Range:	-40 °C to +70 °C
Storage Temperature Range:	-40 °C to +70 °C

Standards

IEC Flammability:	IEC 60332-1-2
IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity:	10 µS/mm
IEC 60754-2 - Halogen Acid Gas Amount - Min. pH:	4,3
IEC 61034-2 - Smoke Density Min. Transmittance:	IEC 610342
ISO/IEC Compliance:	IEC 60793-1-1, IEC 60794-1-1
RoHS:	Yes
EU Directive 2011/65/EU (RoHS 2):	Compliant
UV/ Sunlight Protection:	Yes

History

Update and Revision:	Revision Number: 0.31 Revision Date: 12-21-2023
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