



Product: [DOLU12MA008BKAA](#)

Universal OFC MLT: Gel filling loose tubes(4f/T), Dry core, WB Tape + CST + Single LSZH Jacket (black) 8F G652D

Product Description

Universal (Indoor/Outdoor) Gel filling loose tubes(4f/T) dry core optical fiber Multi Loose Tube cable with GRP, Water Blocking tape, Corrugated Steel Tape armor and Single LSZH jacket (black) 8F 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	8	Blue, Orange, Filler, Filler, Filler, Filler, Filler

Fiber Color Coding:	TIA-598-D
---------------------	-----------

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:	4
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
---------------------	---

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
------------------------------	------------

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
----------------------	---

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.