



Product: [GUMXA12](#)

Universal tight buffered fiber + CST distribution cable LSZH jacket 12f SM OS2 G.652.D & G.657.A1. CPR Eca.

Product Description

Universal (Indoor/Outdoor) tight buffered with Corrugated Steel Tape optical fiber distribution cable with Low Smoke Zero Halogen outer jacket. 12 fibers SM OS2 G.652.D & G.657.A1. CPR Euroclass Eca.

Technical Specifications

Product Overview

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. Support all computer network applications such as FDDI, Gigabit Ethernet and ATM.
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Fiber Specifications

Fiber Type:	OS2
Fiber Grade Acc to ITU-T:	G.652D & G.657A1
Fiber Buffer Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Fiber Buffer Construction:	Tight
Fiber Buffer Diameter:	0.9 mm
Fiber Count:	12
Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua

Cable Construction

Cable Core Water Blocking:	Waterblocking Glass Yarns
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Inner Jacket Specifications

Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
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Armor Specifications

Armor Type and Material:	CST - Corrugated Steel Tape
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Outer Jacket Specifications

Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	11.5 mm (0.453 in)

Optical Characteristics

Wavelength	1310 nm	1550 nm	1625 nm
Max. Attenuation	0.40 dB/km	0.30 dB/km	0.30 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	230 mm	IEC 60794-2-20
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	172.5 mm	IEC 60794-2-20
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	1500 N (340 lbf)	IEC 60794-2-20
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	500 N (110 lbf)	
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	22 kN/m	IEC 60794-2-20

Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	11 kN/m	IEC 60794-2-20
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Bulk Cable Weight:	148 kg/km (99.5 lbs/1000ft)
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Temperature Range

Installation Temperature Range:	-5 °C to +50 °C
Operating Temperature Range:	-20 °C to +70 °C
Storage Temperature Range:	-30 °C to +70 °C

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2, IEC 60332-3-22
CPR Compliance:	CPR Euroclass: Eca
ISO/IEC Compliance:	IEC 60794ISO/IEC 11801-1
European Halogen Free Standards:	IEC 60754-1 - Halogen Amount = Zero, 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 = 60%
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.259 Revision Date: 09-26-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
GUMXA12.002100	Black	Reel	2,100 m	8719605081513

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