



Product: [GUSKCA01](#)

Indoor/Outdoor bare fiber rugged mini distribution cable LSZH jacket 1f SM OS2 G.652.D & G.657.A1. CPR Cca.

Product Description

Indoor/Outdoor bare fiber rugged mini optical fiber distribution cable with Low Smoke Zero Halogen outer jacket. 1 fiber SM OS2 G.652.D & G.657.A1. CPR Euroclass Cca.

Technical Specifications

Product Overview

Suitable Applications:	For indoor and outdoor use in structured (premises) wiring systems: building backbone (riser) and/or horizontal cabling (Fibre To The Desk). Support all computer network applications such as FDDI, Gigabit Ethernet and ATM. Easy to install in ducts and tunnels.
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Fiber Specifications

Fiber Type:	OS2
Fiber Grade acc. ITU-T:	G.652D & G.657A1
Fiber Count:	1
Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue

Cable Construction

Subunit Waterblocking:	Waterblocking Aramid
Cable Core Waterblocking:	Aramid Yarn

Inner Jacket Specifications

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

Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	4.3 mm (0.17 in)

Optical Characteristics

Wavelength	1310 nm	1550 nm	1625 nm
Max. Attenuation	0.50 dB/km	0.30 dB/km	0.51 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	86 mm	IEC 60794-2-20
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	43 mm	IEC 60794-2-20
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	1200 N	IEC 60794-2-20
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	400 N	IEC 60794-2-20
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	5 kN/m	IEC 60794-2-20
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	3 kN/m	IEC 60794-2-20
Cable Impact Resistance	IEC 60794-1-21-E4	10.0 J, 300 mm Radius, 3 Impacts	IEC 60794-2-20
Waterblocking	IEC 60794-F5	Pass	

Bulk Cable Weight:	20 kg/km (13 lbs/1000ft)
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Temperature Range

Installation Temperature Range:	0 °C to +50 °C
Operating Temperature Range:	-10 °C to +55 °C
Storage Temperature Range:	-10 °C to +55 °C
Temperature Range Test Standard:	IEC 60794-1-22-F1

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor - Euroclass Cca, Indoor, UV Resistance
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Cca-s1,d1,a1
ISO/IEC Compliance:	IEC 60794ISO/IEC 11801-1, IEC 61034-2 - Smoke Density Min Transmittance = 60%
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
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2)

History

Update and Revision:	Revision Number: 0.13 Revision Date: 04-02-2025
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