



Product: [GUSKCF12](#)

Universal bare fiber mini fiber cable with glass yarns as strength member and standard rodent protection. LSZH jacket 12f SM OS2 G.657.A2. CPR Cca.

Product Description

Universal (Indoor/Outdoor) bare fiber mini optical fiber cable with glass yarns as strength member and standard rodent protection. with Low Smoke Zero Halogen outer jacket. 12 fibers SM OS2 G.657.A2. 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.657.A2
Fiber Count:	12
Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua

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: 0.3 Revision Date: 06-11-2025
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