



Product: [GRAH872](#) 

Universal OFC MLT: LSZH + ARAMID + LSZH with 6 Tubes of Ø1.9mm 72f SM OS2 G.652.D & G.657.A1.

Product Description

Universal (Indoor/Outdoor) dry core optical fiber Multi Loose Tube cable with Low Smoke Zero Halogen inner jacket, aramid yarns as strength member and Low Smoke Zero Halogen outer jacket. Existing out of 6 tubes with a diameter of 1.9mm with 72 fibers (6t x 12f) SM OS2 G.652.D & G.657.A1.

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. Easy to install in ducts, tunnels and/or tubes.
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Fiber Specifications

Fiber Type:	OS2
Fiber Grade Acc to ITU-T:	G.652D & G.657A1
Fiber Count:	72
Fiber Color Coding:	TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua

Cable Construction

Number of Active Subunits:	6
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	1.9 mm
Subunit Color:	TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White
Central Strength Member Type:	GRP
Cable Core Water Blocking:	Waterblocking Aramid Yarns + Tape

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)
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Mechanical Characteristics

Mechanical Tests

Description	Tested Standard	According to Family Specification
Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E6	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	IEC 60794-3-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	IEC 60794-3-10
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	IEC 60794-3-10
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	IEC 60794-3-10
Cable Impact Resistance	IEC 60794-1-21-E4	IEC 60794-3-10
Cable Torsion Resistance	IEC 60794-1-21-E7	IEC 60794-3-10

Minimum Bend Radius During Installation:	242 mm
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Minimum Bend Radius During Operation:	242 mm
Max. Tensile Strength During Installation:	3900 N (880 lbf)
Max. Tensile Strength During Operation:	1300 N (290 lbf)
Bulk Cable Weight:	155 kg/km (104 lbs/1000ft)

Temperature Range

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

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor
Flammability / Reaction to Fire:	IEC 60332-3-24
ISO/IEC Compliance:	IEC 60794/ISO/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

History

Update and Revision:	Revision Number: 0.151 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
GRAH872.T02100	Black	Reel	2,100 m	8719605170125

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