

DIGITUS®

Professional

DIGITUS® Fiber Optic Outdoor Aerial Cable – Multimode 50/125 OM2



✓ 15 Year Product Warranty

✓ 25 Year System Warranty

✓ G.651.1 compliant

✓ Multimode 50/125 OM2

✓ LSOH Sheath

Abstract

DIGITUS® Fiber Optic Indoor Cable, Multimode, 50/125 OM2

Features

- 25 Year System Warranty
- Best performance and link quality for your network
- Small diameter, light weight and friendly installation
- Suitable for External Aerial application
- High tensile strength of stranded wires meet the requirement of self-supporting and reduce the installation cost
- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Small diameter, light weight and friendly installation
- TIA/EIA-568-B.3
- According to ISO/IEC 11801:2002 2nd Edition TYPE OM2
- TIA 492AAAB-A OM2
- ITU-T G.651.1
- LSOH Sheath
- 50/125 OM2 Multimode
- Standard Rodent Protection

Part Number Information

DK-35041-A-F – OM2 4C 50/125 Loose Tube Outdoor Aerial Cable

DIGITUS® Fiber Optic Outdoor Aerial Cable – Multimode 50/125 OM2

Product Overview

DIGITUS® offers a wide range of high quality products of constantly available fiber optic patch cables. Practically every request and every requirement is covered by the broad range of connector types and fiber qualities. Every cable is individually tested after the assembly and is delivered with the test report. We would like to discuss your individual cable requests with you in order to realize them within the shortest time.

For the professional installation of optical fiber cables DIGITUS® offers a wide range of different types of installation cables. The DIGITUS® product range supplies all cable types, whether with 4, 8, 12, or 24 fibers or in different qualities as OM1, OM2, OM3, OS1 and OS2. The halogen-free installation cables comply with the fire protection regulations for buildings.

Performance Overview

The 250um bare fiber, are positioned in a loose tube made of a high modulus plastic, the tubes are filled with a water-resistant filling compound. The two sides PSP are longitudinally applied over the outer loose tube. Steel wires and loose tubes filled with water proof compound to ensure compact and longitudinally water blocking, this part of cable accompanied with the stranded wires as the supporting part are completed with a LSOH sheath.

Optical fiber in cable (OM2)

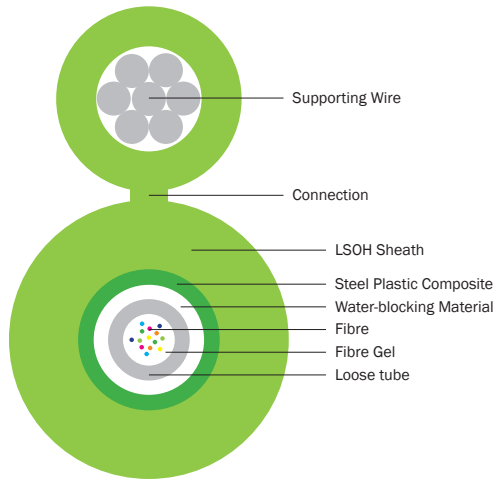
- According to ISO/IEC 11801:2002 2nd Edition TYPE OM2
- TIA/EIA-568-B.3
- TIA 492AAAB-A OM2
- ITU-T G.651.1

Technical Parameters

Fiber Count	Cable Diameter mm	Cable Weight kg/km	Supporting Wire Spec	Connection Diameter	Tensile Strength	Crush Resistance	Bending Radius
2~12	7.65 × 14.5	118	Ø1.0mm x 7 Stranded wire	Height x Width 3.0 x 2.5 mm	1000/2500	300/1000	80/160
14~24	8.2 × 15.1	129	Ø1.0mm x 7 Stranded wire	Height x Width 3.0 x 2.5 mm	600/1500	300/1000	90/180

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Cable Specifications















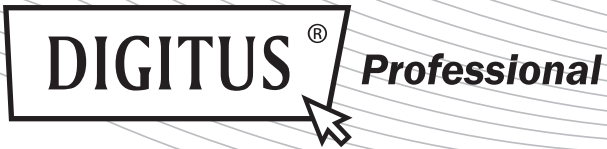
Number of fibers	Type	4*50/125(OM2) inside one loose tube
	Color	According to the standard chromatorgra
loose tube	OD	2.15mm±0.05mm
	Material	PBT
	Color	According to the standard chromatorgra
Steel+cushion		
Outer Jacket	OD(Max)	10.2mm±0.5mm
	Material	LSOH
	Color	Black
Optic Characteristic	Condition	850/1300
	Attenuation	3.0/1.0dB/km
Dispersion	1295-1300nm	≤0.001ps(nm*km)
	1300-1320nm	≤0.11ps(nm*km)
Operation Temperature	-40°C to +70°C	

Optical Characteristics

		G.652D	G.655	50/125µm	62.5/125µm
Attenuation (+20°C)	@850nm			≤3.0 dB/km	≤3.0 dB/km
	@1300nm			≤1.0 dB/km	≤1.0 dB/km
	@1310nm	≤0.36 dB/km	≤0.40 dB/km		
	@1550nm	≤0.22 dB/km	≤0.23dB/km		
Bandwidth (Class A)	@850nm			≥500 MHz·km	≥200 MHz·km
	@1300nm			≥1000 Hz·km	≥600 MHz·km
Numerical Aperture				0.20±0.015NA	0.275±0.015NA
Cable Cut-off Wavelength Acc		≤1260nm	≤1480nm		

Color code

Number of optical fibre or patch cord	FOTAG Code	Number of optical fibre or patch cord	FOTAG Code
1	Blue 	7	Red 
2	Orange 	8	Black 
3	Green 	9	Yellow 
4	Brown 	10	Purple 
5	Grey 	11	Pink 
6	White 	12	Turquoise 



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System Warranty

The DIGITUS® System Warranty provides 25-year product and applications assurance of compliance with the industry performance standard appropriate to the class of cabling installed. The System Warranty will be applied by a certified DIGITUS® Partner who has installed the said system.



DIGITUS® is made for high demand IT-Infrastructure Solutions – designed and developed on highest standard in Germany.