

DIGITUS®

Professional

DIGITUS® Fiber Optic Indoor 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
- G.651.1 compliant
- LSOH Sheath
- 50/125 OM2 Multimode
- Standard Rodent Protection

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.

The fibers, 250µm, either of single-mode or multimode type, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A layer of aramid yarn or high strength glass is applied around the cable core as additional strength member. Then, the cable is completed with the black LSOH sheath.

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

Part Number Information

DK-35041-IF – OM2 4C 50/125 Loose Tube Indoor Cable, LSOH, black

Performance Overview

- Non-metal design can prevent the cable from radio interference and magnetic wave interference
- Specially designed compact structure is good at preventing loose tubes from shrinking
- Aramid yarn ensures good performance of tensile strength
- Loose tube filling compound ensure good moisture resistance performance
- High dense fiber packed, small diameter and light weight; it's the better option for blowing installation process
- Good flexibility

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

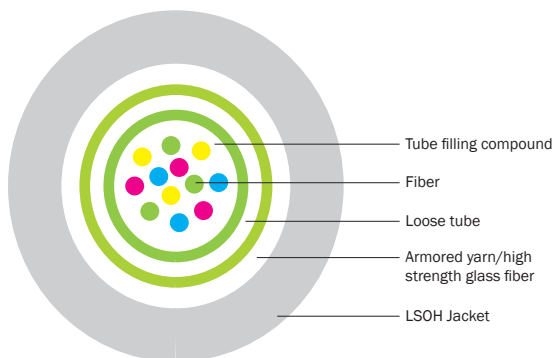
| Fiber Count | Cable Diameter mm | Cable Weight kg/km | Tensile Strength | Crush Resistance | Bending Radius |
|-------------|-------------------|--------------------|------------------|------------------|----------------|
| 2~12 | 5.0±0.3 | 12 | 60/150 | 300/1000 | 10D/20D |
| 14~24 | 4.6±0.3 | 15 | 60/150 | 300/1000 | 10D/20D |
| 26~36 | 5.1±0.3 | 18 | 60/150 | 300/1000 | 10D/20D |
| 26~36 | 5.6±0.3 | 22 | 60/150 | 300/1000 | 10D/20D |

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 | | |













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Cable Specifications



| | | | |
|------------------------------|----------------|----------------------------------------|-----------------|
| Number of fibers | Type | 4*50/125(OM2) | |
| | Color | According to the standard chromatorgra | |
| Characteristic of loose tube | OD | 2.4mm±0.05mm | |
| | Material | PBT | |
| Outer Jacket | OD(Max) | 5.0mm±0.3mm | |
| | 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 | | |

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  |

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.

