

Product sheet



LCS³ LEGRAND

Fibre optic cable OM3 loose tube 12 cores indoor/outdoor LSZH Euroclass Dca s2 d2 a1

REF. 032539 | EAN. 3414970965028

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Product characteristics

- OM3 multi-mode 50/125µm
- Loose Tube Sheath 1.5mm. 12 Cores.
- OM3 Max 300m at 10 Gigabits in full duplex mode
- LSZH (Low Smoke Zero Halogen). Euroclass Dca-s2,d2,a1
- Aqua cable sheaths

Recommendation / Restriction

- Cable Technical Specifications (ISO 11801 2nd edition, EN 50173-1:2002, IEC 60794-1). Fibres Technical Specifications [IEC 60793-2-10 category A1a.2, EN 60793-2-10: type A1a.2, ITU Recommendation G.651, TIA/EIA-492 AAAC, EN 50 173:2002, category OM 3, ISO/IEC 11801:2002, category OM 3, IEEE 802.3 - 2002 incl. amendment 802.3ae - 2002.]

The product's benefits

Installation

- This cable can be used for LAN and WAN backbones, telecom access lines, fibre to business and fibre to the building or the home connections. It is equally suited for installation in ducts and on trays. This cable features a high tensile strength and a degree of rodent protection effective in many cases. OM3 and higher Fiber Optic Cable are typically deployed in data center, LAN, and storage area network.

Usage

- Optical fiber cables offer a higher bandwidth than copper (10 to 12 copper cable for 1 optical fiber cable), and cover a higher distance for the same bandwidth than copper (for a 10 Gigabits bandwidth 90m for copper cable vs 300m for an OM3 optical fiber cable). Also since optical fiber carries light instead of electricity (as in copper cable) it is insensitive to lightning strikes or electrical faults. It does not corrode or rust. As a result fiber reduces maintenance cost and has a proven record of reliability in the field.

Advantages

- Signal light intensity decreases over a given distance. Legrand optical fibers are amongst of the best in the market to keep that attenuation at a minimum. At 850nm attenuation is inferior 2.5 dB/km.
- When a fiber is bent or coiled, the light prefers to carry on in a straight line so tends to want to shoot right out the cladding at a bend. Legrand optical fibers are amongst of the best in the market to keep

those bent induced losses to a minimum. If R is 15mm for a 850nm fiber, bending loss is inferior to 0.1dB.

Documentation

TECHNICAL DOCUMENTATION

 [F01093EN-03.pdf](#) | PDF (0.56Mo)

 [F01093FR-03.pdf](#) | PDF (0.06Mo)

CATALOGUE PAGE & OTHERS

 [ex223001_0997.pdf](#) | PDF (0.06Mo)