

Product sheet



LCS³ LEGRAND

Fibre optic cable OS2 Tight Buffer 12 Cores
Indoor/Outdoor LSZH Euroclass Dca s2 d2 a1

REF. 032550 | EAN. 3245060325503

The Legrand Indoor/Outdoor fibre optic cable is easy to handle and resilient to hardships. It can be used for LAN and WAN backbones. It is equally suited for installation in ducts and on trays. It has an Euroclass fire safety rating.

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Description

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Product characteristics

- OS2 single-mode 9/125µm
- Tight Buffer Sheath 900um. 12 Cores.
- Max 10Km at 10 Gigabits in full duplex mode
- LSZH (Low Smoke Zero Halogen). Euroclass Dca-s2,d2,a1
- Yellow cable sheaths

Recommendation / Restriction

- Cable Technical Specifications (ISO 11801 2nd edition, EN 50173-1:2002, IEC 60794-1). Fibres Technical Specifications [IEC 60793-2-50 category B.1.3, EN 60793-2-50: class B1.3, ITU Recommendation G.652.D - the other ITU designations A, B and C are also fulfilled, EN 50 173-1:2007 cat. OS2 also OS1 requirements are fulfilled, ISO/IEC 11801:2002, cat. OS1, ISO/IEC 24702:2006, cat. OS2 also OS1 requirements are fulfilled, IEEE 802.3 - 2002 incl. 802.3ae]

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. OS2 and higher Fiber Optic Cable are typically deployed over long distances, where light can be carried in a single path allowing high information capacity and low attenuation.

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 10Km for an OS2 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

- Tight buffer cables offer a proprietary "easy strip" feature that makes it easy to strip the sheath using common stripping tools.
- Signal light intensity decreases over a given distance. Legrand optical fibers are amongst the best in the market to keep that attenuation at a minimum. At

1550nm attenuation is inferior at 0.25 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. For a 100 turns on a 50 mm diameter mandrel at 1310 and 1550 nm bending loss is inferior to 0.05dB.

Documentation

TECHNICAL DOCUMENTATION

 [F01601EN-05.pdf](#) | PDF (0.15Mo)

 [F01601FR-05.pdf](#) | PDF (0.16Mo)

Agreements & Certificates

 [LGRP-00839-V02.01-EN.pdf](#) | PDF (0.8Mo)

 [LGRP-00839-V02.01-FR.pdf](#) | PDF (0.77Mo)

 [DOP-O-FO/001-12220-A](#) | (0.19Mo)

CATALOGUE PAGE & OTHERS

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