

Product sheet



LCS³ LEGRAND

Fibre optic cable OS2 Loose Tube 12 Cores Outdoor Corrugated Steel Tape

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With its MDPE sheathing this fibre optic cable is ideal for outdoor installation. The cable, having a corrugated steel tape armouring is rodent proof. The cable is excellent for direct burial with proper sand back filling.

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Description

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Product characteristics

- OS2 single-mode 9/125µm
- 1.5 mm black MDPE sheath. 12 Cores.
- Max 10Km at 10 Gigabits in full duplex mode

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 0.15mm corrugated steel armour which makes it rodent proof.

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

- 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 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

 [F01076EN-05.pdf](#) | PDF (0.15Mo)

 [F01076FR-05.pdf](#) | PDF (0.16Mo)

Agreements & Certificates

 [LGRP-02008-V01.01-FR.pdf](#) | PDF (0.77Mo)

 [LGRP-02008-V01.01-EN.pdf](#) | PDF (0.8Mo)

CATALOGUE PAGE & OTHERS

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