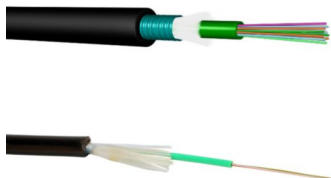


# Product sheet

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LCS<sup>3</sup> LEGRAND

Fibre optic cable OM4 Loose Tube 12 Cores Outdoor  
Corrugated Steel Tape

REF. 032548 | EAN. 3414970965202

> [Visit e-catalogue](#)

## Product characteristics

- OM4 multi-mode 50/125µm
- 1.5 mm black MDPE sheath. 12 Cores.
- OM4 Max 400m 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 60793-2-10 : type A1a.3 (in development), EN 60793-2-10: type A1a.3 (in development), TIA/EIA-492 AAAD, EN 50173-1:2007 Amendment AB category OM4, ISO/IEC 11801:2002 Amendment 2 category OM4, 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 0.15mm corrugated steel armour which makes it rodent proof. 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 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 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

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### TECHNICAL DOCUMENTATION



S000099475EN-02.pdf | PDF (0.56Mo)



S000099475FR-02.pdf | PDF (0.06Mo)

### CATALOGUE PAGE & OTHERS



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