

# INDOOR DROP CABLE - LSZH Sheath

## DROP FIBRE-OPTIC CABLES

### DESCRIPTION AND APPLICATION

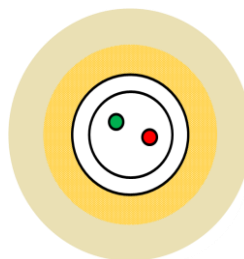
Drop fibre-optic cable for indoor installations in FTTH systems. It provides high mechanical protection and low macro-bend and micro-bend losses.

### CONSTRUCTION

1. Central PBT dry tube.
2. Optical fibres according to ITU G.657A2.
3. Aramid yarns as traction-resistant reinforcement.
4. Ivory coloured LSZH compound.

Markings:

CABLESCOM / Year /Cable Type designation/ Number of fibres / Type of fibre /CDC/  
Tensile performance N /Fabrication Number / Length markings



### PRODUCT INFORMATION

| Fibre Num. | Diameter (mm) | Weight (kg/km) |
|------------|---------------|----------------|
| 4          | 2.8 ± 0.3     | 9 ± 0.5        |

| Mechanical characteristics                                        | Standard                  | Test conditions        |
|-------------------------------------------------------------------|---------------------------|------------------------|
| Tensile strength ( $\Delta\epsilon < 0.50\%$ )                    | UNE-EN 60794-1-2, Met.E1A | 400 N                  |
| Crush resistance ( $\Delta\alpha < 0.05\text{ dB}$ )              | UNE-EN 60794-1-2, Met. E3 | 500 N                  |
| Curvature ( $\Delta\alpha < 0.05\text{ dB}$ )                     | UNE-EN 60794-1-2, Met.E11 | R = 5 x cable diameter |
| Impact resistance ( $\Delta\alpha < 0.05\text{ dB}$ )             | UNE-EN 60794-1-2, Met E4  | 2J/ radius 300 mm      |
| Temperature cycling (operation, $\Delta\alpha < 0.05\text{ dB}$ ) | UNE-EN 60794-1-2, Met. F1 | -20°C / +60°C          |
| Flame propagation                                                 | UNE-EN 60332-1            |                        |
| Smoke acidity of combustion gases                                 | UNE-EN 60754-2            |                        |
| Smoke density                                                     | UNE-EN 61034-2            |                        |

**Fibre colour code:** Red – Green – Yellow - Blue. *Other colours under request.*

**Tube colour code:** White. *Other colours under request.*

**Optical fibre characteristics:** See Annexes – Optical fibre characteristics.

All drawings, weights and dimensions details, as well as tube and fibre colours in this document are only indicative and must not be considered contractual.

### Cables de Comunicaciones Zaragoza, SL.

Polígono de Malpica, calle D, nº 83. 50016 Zaragoza – SPAIN

+34 976 729 900 | +34 976 729 974

www.cablescom.com | comercial@cablescom.com

Certified Company ISO 9001 – ISO 14001

TITLE  
HP\_EE5642L

EDITION  
1

APPROVED BY  
O. Salomón

DATE  
2017-09-22