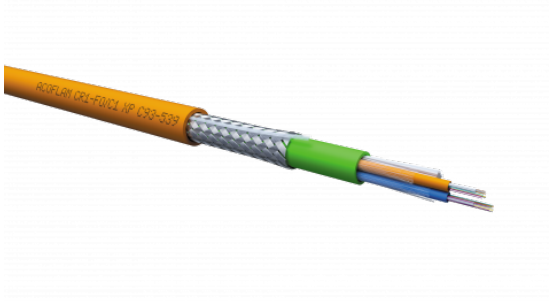


# ACOFLAM® ARMOURED CR1-FO/C1
# ACOLAN OPTIC

LOOSE - IN/OUT- 4 to 24 FO - OM3, OM4, OS2 - Armoured Steel
ORANGE

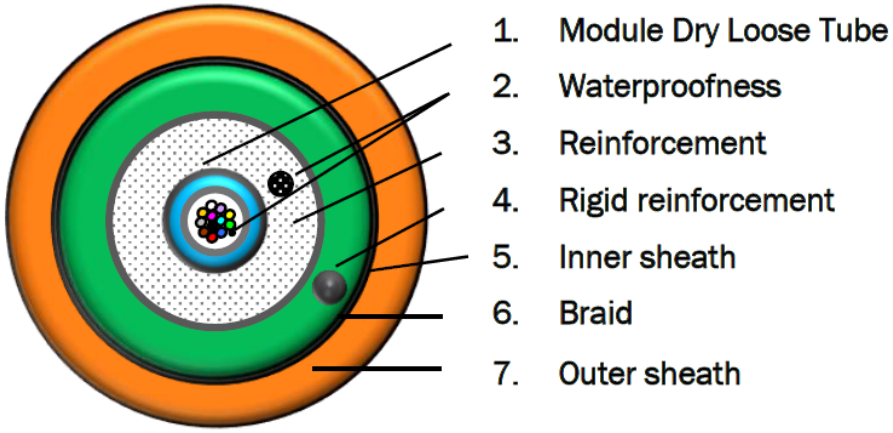
## BENEFITS

- Protection against rodents
- Flexible cable thanks to its steel wire braiding armour
- Fire resistance during 120 min (PH120)
- Compliant to XP C 93-539 standard

## APPLICATIONS

These cables are designed in a UV resistant and halogen-free sheathing and are intented to use for fire safety applications. They are fire resistant up to 920 °C and can be installed inside the buildings and outside in ducts or in trench.

## GENERAL CHARACTERISTICS




1- 4 to 12 optical fibers (color code FOTAG)
2 - Water swellable yarn – Radial and longitudinal sealing
3 - Reinforced protection based on anti-rodent fiberglass
4 - FRP
5 - LSOH-FR sheath, halogen-free and flame retardant
6 - Galvanised steel wire 0,2 mm
7 - LSOH-FR Orange sheath. Compliant to EN 50290-2-27, UV stabilised, halogen free and flame retardant.

## GENERAL

| Characteristics | | Value | |
|---|---|---|---|
| | | 4 to 12FO | 24FO |
| Temperature range | Transport and storage | - 40°C to + 70°C | |
| | At the installation | -5°C to + 50°C | |
| | In service | -20°C to + 60°C | |
| Maximum pulling force (N) | | 3000 | |
| Crush resistance (N/10 cm) | | 2000 | |
| Minimum bending radius (mm) | | 20 x D | |
| Standard packaging | | 2100m drum | |
| Nominal sheath thickness (mm) | | 0,9 | |
| Diameter dry Loose Tube (mm) | | 2,5 | 2 x 2,5 |
| Diameter inner sheath (mm) | | 8,3 | 9,2 |
| Diameter outer sheath (mm) | | 13,3 | 14,1 |
| Weight (kg/km) | | 230 | 255 |

Wrapping: Cables are supplied with a protective wrap which must be maintained until full use of the product.

## COLOR CODE

Blue | Orange | Green | Brown | Grey | White | Red | Black | Yellow | Violet | Pink | Turquoise

# RANGE

| Cable content | Multimode 50/125 OM3 | Multimode 50/125 OM4 | Single mode 9/125* OS2 |
|---|---|---|---|
| 4 fibers | B1363A | B1368A | B1373A |
| 6 fibers | B1364A | B1369A | B1374A |
| 8 fibers | B1365A | B1370A | B1375A |
| 12 fibers | B1366A | B1371A | B1376A |
| 24 fibers | B1367A | B1372A | B1377A |

(*) 9/125 : G652D fibers

# NORMS AND STANDARDS

## GENERALE

| | |
|---|---|
| Fibres | EN 60793 |
| Cable | EN 60794-1-1 ; EN 60794-1-2 |
| Wiring systems | EN 50173-1 ; ISO 11801 |

## Fire behaviour

| Test | Standards |
|---|---|
| Fire resistance | NF C 32-070 – CR1 |
| Fire resistance | NF EN 50200 - PH120 |
| Fire retardant | NF C 32-070 – C1 |
| Flame retardant | NF C 32-070 – C2 |

Test reports LCIE n°13216700-774780 and n°14811874-778475