

## MBO STANDARD CCA ZH ACOLAN OPTICAL



- Tight, indoor / outdoor
- 2 to 24 FO
- OM2, OM3, OM4, OS2
- Green outer jacket, ZH standard reinforced fiberglass
- Cca

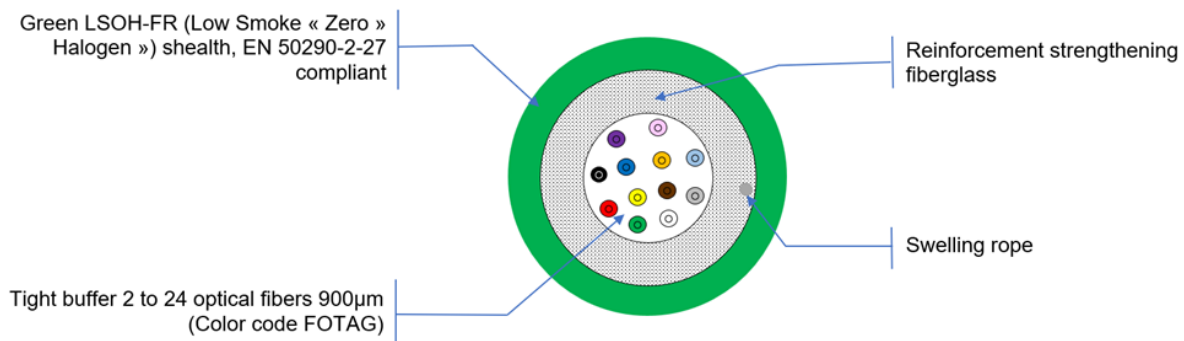
### BENEFITS

- Standard Universal range suitable for all environments
- Stripping becomes faster with our new tight Rapid Strip Fiber (RS 900)
- Design optimized for connector mounting or Fiber splicing
- ACOME Protection Index against rodents IPA : ☆☆☆☆☆ = Protection standard

### APPLICATIONS

- High speed data transmission cables designed for local networks (LAN).
- Designed for all applications: campus, backbone and horizontal cables
- Available for any type of environments : Office Buildings, Industrial, and Residential)
- Marking of outer jacket : ACOLAN MBO STD Cca ZH - fiber count & type - product reference - Euroclass - JJ/MM/AA hh :mm + metric

### GENERAL CHARACTERISTICS



## GENERAL

| Characteristics               |                       | Value               |              |              |              |               |               |
|-------------------------------|-----------------------|---------------------|--------------|--------------|--------------|---------------|---------------|
|                               |                       | MBO 2 fibers        | MBO 4 fibers | MBO 6 fibers | MBO 8 fibers | MBO 12 fibers | MBO 24 fibers |
|                               |                       | Z1433A              |              | Z1434A       | Z1435A       |               | Z1436A        |
| Temperature range             | Transport and storage | -40°C à + 70°C      |              |              |              |               |               |
|                               | At the installation   | -5°C à + 50°C       |              |              |              |               |               |
|                               | In service            | -30°C à + 70°C      |              |              |              |               |               |
| Maximum pulling force (N)     |                       | 800                 |              | 1100         |              | 1800          |               |
| Crush resistance (N/10cm)     |                       | 2000                |              |              |              |               |               |
| Minimum bending radius (mm)   |                       | 10 x cable diameter |              |              |              |               |               |
| Standard packaging            |                       | 2100m drums         |              |              |              |               |               |
| Nominal sheath thickness (mm) |                       | 1.0                 |              | 1,1          |              |               |               |
| Nominal diameter (mm)         |                       | 6.0                 |              | 7.0          | 7.8          |               | 10.0          |
| Nominal weight (kg/km)        |                       | 31                  | 33           | 45           | 51           | 55            | 85            |

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

## COLOR OF FIBERS

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

Optical fibers n°13 to 24 are identified by a black mark (the buffer color of the black fiber is replaced by dark green).

## RANGE

| Cable content | Single mode 9/125 (UIT-T G.652.D) OS2 | Multimode 50/125 OM2 | Multimode 50/125 OM3 | Multimode 50/125 OM4 |
|---------------|---------------------------------------|----------------------|----------------------|----------------------|
| 2 fibers      | B1419A                                | B1425A               | B1431A               | B1437A               |
| 4 fibers      | B1420A                                | B1426A               | B1432A               | B1438A               |
| 6 fibers      | B1421A                                | B1427A               | B1433A               | B1439A               |
| 8 fibers      | B1422A                                | B1428A               | B1434A               | B1440A               |
| 12 fibers     | B1423A                                | B1429A               | B1435A               | B1441A               |
| 24 fibers     | B1424A                                | B1430A               | B1436A               | B1442A               |

# NORMS AND STANDARDS

## STANDARDS



- Cable et fibers : EN 60793 / EN 60794
- Wiring system : EN 50173-1 / ISO 11801
- Applications : IEEE 802.3 10M to 10Gbit / IEEE 802.5 Token ring ANSI X3T9-5 (FDDI) ATM (155, 622, ...)

## FIRE BEHAVIOUR

| Number of fibers | Euroclass     | Declaration of performance | Standard (Europe)                                   | Standard (Outside Europe)  |
|------------------|---------------|----------------------------|---|--|
| 2 to 24 fibers   | Cca-s1a,d1,a1 | 24MBO0006                  | IEC 60332-1<br>EN 50399<br>IEC 60754-2<br>IEC 61034 | IEC 60332-1 (No flame propagation)<br>IEC 60754-2 (Low gas corrosivity)<br>IEC 60754-1 |

# RECOMMENDATIONS

Guide ACOLAN® Optique

RÈGLES DE STOCKAGE, TRANSPORT ET POSE DES CÂBLES POUR LES RÉSEAUX TERTIAIRES