



## B1237A "ACOLAN OPTICAL - MBO REINFORCED ZH"

24xOM2 TIGHT IN/OUT B2ca REINFORCED DIELECTRICAL - GREEN

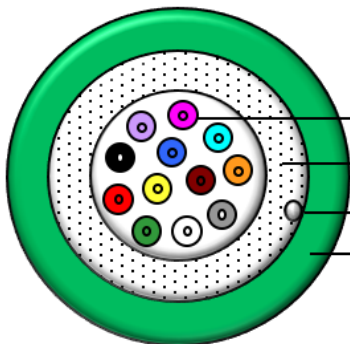
### BENEFITS

- Reinforced cable suitable for all environments
- Stripping becomes faster with our new tight Rapid Strip Fiber (RS 900).
- Design optimized for connector mounting or Fiber splicing.

### APPLICATIONS

- High speed data transmission cables are designed for all applications (campus, backbone, horizontal cables) and available for all environments (Industrial, Residential and Office Buildings).

### GENERAL CHARACTERISTICS



- |     |                        |                                                  |
|-----|------------------------|--------------------------------------------------|
| 1 - | <b>Tight buffer :</b>  | 24 optical fibers 900µm (color code FOTAG).      |
| 2 - | <b>Reinforcement :</b> | Strengthening fiberglass anti-rodent protection. |
| 3 - | <b>Waterproofness:</b> | Swelling rope.                                   |
| 4 - | <b>Outer jacket :</b>  | Green LSOH-FR sheath, EN 50290-2-27 compliant.   |

ACOME Protection Index against rodents IPA: ★★☆☆☆ = Reinforced Protection

Marking of outer jacket: ACOLAN MBO RFD ZH - fiber count & type - product reference - Euroclass - JJJ/MM/AA hh:mm + metric

## GENERAL

| Characteristics               |                       | Value                   |
|-------------------------------|-----------------------|-------------------------|
|                               |                       | MBO 24 fibers<br>Z1410B |
| Temperature range             | Transport and storage | -40°C to + 70°C         |
|                               | During installation   | -5°C to + 50°C          |
|                               | In service            | -30°C to + 70°C         |
| Maximum pulling force         |                       | 2500                    |
| Crush resistance              |                       | 300                     |
| Minimum bending radius (mm)   |                       | 10 x cable diameter     |
| Standard packaging            |                       | 2100m drums             |
| Nominal sheath thickness (mm) |                       | 1,5                     |
| Nominal diameter (mm)         |                       | 11,5                    |
| Nominal weight (kg/km)        |                       | 120                     |

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

## COLOR CODE

|      |        |      |        |      |       |       |      |       |        |      |           |
|------|--------|------|--------|------|-------|-------|------|-------|--------|------|-----------|
| Bleu | Orange | Vert | Marron | Gris | Blanc | Rouge | Noir | Jaune | Violet | Rose | Turquoise |
|------|--------|------|--------|------|-------|-------|------|-------|--------|------|-----------|

Optical Fibers n° 13 to 24 have a black mark on the buffer (the black fiber's sheath is replaced by a dark green).

## RANGE

| Cable Content | Multimode 50/125 OM2 ACMM50 OM2 | Multimode 50/125 OM3 ACMM50 OM3 | Multimode 50/125 OM4 ACMM50 OM4 | Single mode 9/125*OS2 ACSM2-D PREMIUM |
|---------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------------|
| 24 Fibres     | B1237A                          | B1238A                          | B1239A                          | B1240A                                |

\*9/125 : UIT-T G.652.D fibers

## NORMS AND STANDARDS

### GENERAL

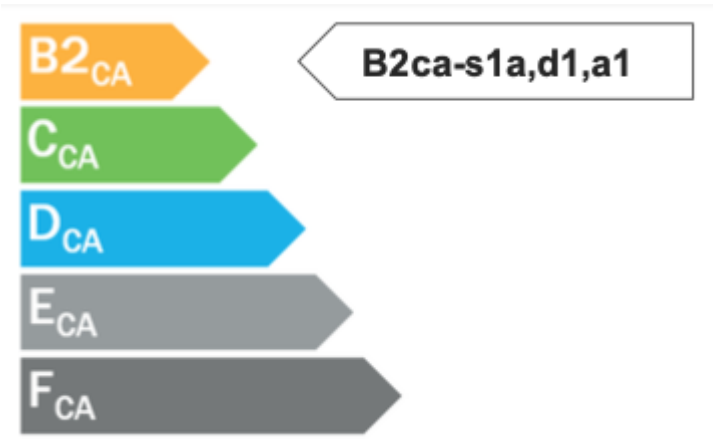


Cable and fibers: EN 60793 / EN 60794

Wiring systems: qEN 50173-1 / ISO 11801

Applications: IEEE 802.3 10M to 10Gbit / IEEE 802.5 Token ring ANSI X3T9-5 (FDDI) ATM (155, 622, ...).

EUROCLASS



FIRE BEHAVIOUR

Europe:

| Number of fibers | Euroclass      | Declaration of performance | Standards                                                           |
|------------------|----------------|----------------------------|---------------------------------------------------------------------|
| 24 fibers        | B2ca-s1a,d1,a1 | 17MBO0005                  | IEC 60332-1, EN 50399, IEC 60754-2, IEC 61034,EN 50399, IEC 60754-2 |
| 48 fibers        | Eca            | 17 CLT0005                 | IEC 60332-1                                                         |



Scan the QR code to access declarations of performance on [www.acome.fr](http://www.acome.fr) .

Outside Europe

|                      |                       |
|----------------------|-----------------------|
| No flame propagation | IEC 60332-1           |
| Low gas corrosivity  | IEC 60754-2           |
| Low toxicity         | IEC 60754-1           |
| No Fire propagation  | IEC 60332-3-24 (3C) * |

\* Fire tests performed by our own COFRAC accredited fire lab.