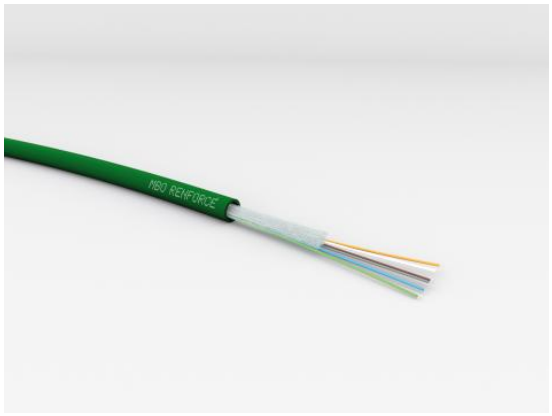



# B1211A
# ACOLAN OPTICAL - MBO REINFORCED ZH

12xOM2 TIGHT IN/OUT ZH REINFORCED DIELECTRICAL - GREEN

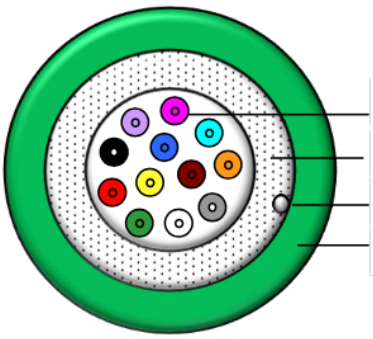
## BENEFITS

- Reinforced 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

## 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 - | **Tight buffer :** | 4 to 24 optical fibers 900µm (color code FOTAG). |
| 2 - | **Reinforcement :** | Strengthening fiberglass anti-rodent protection. |
| 3 - | **Waterproofness:** | Swelling rope. |
| 4 - | **Outer jacket :** | 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 –JJ/MM/AA hh:mm + metric.

## GENERAL

| Characteristics | | Value | | | | |
|---|---|---|---|---|---|---|
| | | MBO 4 fibers | MBO 6 fibers | MBO 8 fibers | MBO 12 fibers | MBO 24 fibers |
| | | Z1406A | | | Z1409A | Z1410A |
| Temperature range | Transport and storage | -40°C to + 70°C | | | | |
| | During installation | -5°C toà + 50°C | | | | |
| | In service | -30°C to + 70°C | | | | |
| Maximum pulling force | | 1500 | | | 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) | | 9 | | | 10,5 | 11,5 |
| Nominal weight (kg/km) | | 73 | 75 | 80 | 102 | 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 are identified by a black mark (the buffer color of the black fiber is replaced by 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 |
|---|---|---|---|---|
| 4 fibres | B1208A | B1213A | B1218A | B1223A |
| 6 fibres | B1209A | B1214A | B1219A | B1224A |
| 8 fibres | B1210A | B1215A | B1220A | B1225A |
| 12 fibres | B1211A | B1216A | B1221A | B1226A |
| 24 fibres | B1212A | B1217A | B1222A | B1227A |

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

# NORMS AND STANDARDS

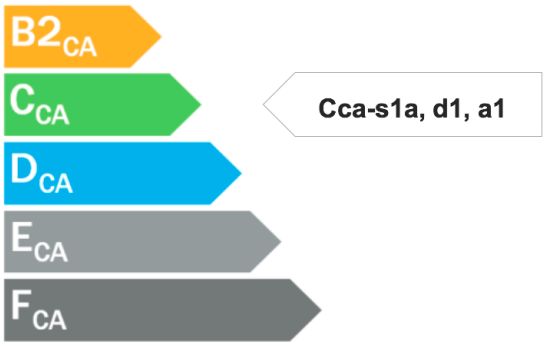
## GENERAL

Cable and 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, ...)

## EUROCLASS




## FIRE BEHAVIOUR

Europe

| Number of fibers | Euroclass | Declaration of performance n° | Standards |
|---|---|---|---|
| 4 to 24 fibers | Cca-s1a,d1,a1 | 17CLT000217MBO0004 | 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

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.