

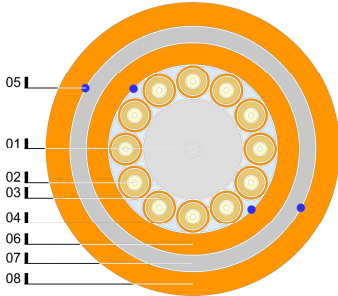
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# OPTRAL



## Mini CDIR - AM (2.1 mm)

### Metallic Armoured Breakout Cable (Up to 16 Fo)



#### Cable Description

- 01. Central Element (GRP)
- 02. Tight Buffer Fibre (0.9 mm)
- 03. Strength Members
- 04. Individual Jacket (Ø 2.1 mm)
- 05. Ripcords
- 06. Inner Jacket
- 07. Metallic Armour
- 08. Outer Jacket

#### Applications

Outdoor  
Direct connection to terminal equipments

#### Rodent protection

Excellent rodent resistance

#### Options

Jacket: PVC / PU  
Special colour code  
Buffer Easy-Strip

#### CPR Classification (Euroclass)

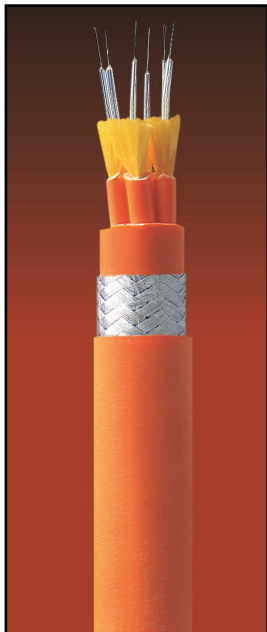
Reaction to Fire: Dca, s2, d2, a1  
Declaration Code: DOP02200

#### Fire resistance

Flame retardant (IEC 60332-1 / IEC 60332-3)  
Halogen free (IEC 60754-1/-2)  
Low smoke emission (IEC 61034-2)

#### Advantages

Compact / Flexible / Resilient / Tough / Excellent mechanical resistance / Easy to strip (gel free) / Reduced diameter / Direct connectorization / Excellent rodent protection.



All technical specifications are subject to change without prior notice. Consult OPTRAL for the latest edition.



MOISTURE PROTECTED



HIGH FLEXIBILITY



ULTRAVIOLET RESISTANCE



RODENT PROTECTION



FLAME RETARDANT



LOW SMOKE EMISSION



HALOGEN FREE

#### SPECIFICATIONS

|                                     | 2   | 4          | 6           | 8           | 12          | 16          |
|-------------------------------------|---|------------|-------------|-------------|-------------|-------------|
| <b>Fibres</b>                       | 2   | 4          | 6           | 8           | 12          | 16          |
| <b>Subcables strength</b>           | Aramid Yarns                              |            |             |             |             |             |
| <b>Subcables jacket</b>             | Thermoplastic                             |            |             |             |             |             |
| <b>Colour</b>                       | Orange (MM62) / Blue (MM50) / Yellow (SM) |            |             |             |             |             |
| <b>Identification</b>               | Numbers                                   |            |             |             |             |             |
| <b>Inner jacket</b>                 | Thermoplastic                             |            |             |             |             |             |
| <b>Armour</b>                       | Steel Wires Braid                         |            |             |             |             |             |
| <b>Outer jacket</b>                 | LSZH <sup>1</sup>                         |            |             |             |             |             |
| <b>Colour</b>                       | Orange (MM62) / Blue (MM50) / Yellow (SM) |            |             |             |             |             |
| <b>Weight (Kg/Km)</b>               | 117                                       | 118        | 150         | 197         | 293         | 286         |
| <b>Outer Ø (mm)</b>                 | 10.1 ±0.5                                 | 10.1 ±0.5  | 11.5 ±0.5   | 13.2 ±0.5   | 16.1 ±0.5   | 16.3 ±0.5   |
| <b>Tensile Load Perm / Inst (N)</b> | 700 / 1250                                | 900 / 1600 | 1200 / 2150 | 1500 / 2700 | 2000 / 3600 | 2500 / 4000 |
| <b>Max. Crush (N/dm)</b>            | 2000 (IEC 60794-1-21 E3)                  |            |             |             |             |             |
| <b>Temperature Range</b>            | -20°C to +70°C (IEC 60794-1-22 F1)        |            |             |             |             |             |
| <b>Min. Bending Radius (mm)</b>     | 20 x Outer Ø (IEC 60794-1-21 E11)         |            |             |             |             |             |

#### Standards

Mechanical and Environmental tests according to IEC 60794-1-21 and IEC 60794-1-22.

<sup>1</sup>LSZH – Halogen free, low smoke and flame retardant thermoplastic compound.

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