



OUTDOOR CABLES UP TO -40 °C



ARMORED MACROTEL OPTICAL CABLE

69d90



SPECIFICATIONS:

GR-20-CORE

APPLICATION & PROPERTIES:

- Installation in ducts or trays.
- Protection against rodents.
- Weather resistant.
- 6 to 288 fibers.
- Alternate cable direction to enable branching.
- External jacket with high friction strength.

MECHANICAL PROPERTIES

| Number of Fibers | Maximum Installation Tension N | Compression N/cm | Minimum Bend Radius mm | | Operating Temperature °C |
|------------------|--------------------------------|------------------|------------------------|--------|--------------------------|
| | | | unloaded | loaded | |
| 6 to 72 | 2700 | 440 | 260 | 350 | -40 to +70 |
| 84 to 216 | | | 330 | 440 | |
| 228 to 288 | | | 410 | 550 | |

DESCRIPTION:

1. Dielectric central traction element.
2. Optical fibers in thermoplastic tubes (2 layers with 144 to 288 fibers).
3. Expandable tape as water protection.

4. Fiberglass or aramid yarn as strength element.
5. Non-hygroscopic tapes and wires.
6. Internal polyethylene jacket.
7. Corrugate steel armor.
8. External black polyethylene jacket.

DIMENSIONS

| Number of Fibers | Fibers per Tube | Weight kg/km | Overall Diameter mm |
|------------------|-----------------|--------------|---------------------|
| 6 to 36 | 6 | 163 | 15.7 |
| 48 to 72 | 12 | 195 | 17.2 |
| 84 | 12 | 251 | 19.4 |
| 96 | 12 | 251 | 19.4 |
| 108 | 12 | 310 | 21.4 |
| 120 | 12 | 310 | 21.4 |
| 132 to 216 | 12 | 371 | 24.2 |
| 228 to 288 | 12 | 371 | 24.2 |

- Values shown are nominal, subject to manufacturing tolerances.

