

TELEPHONE CABLES, FILLED AND ARMoured. MET STANDARD



Telecommunications
cable



Impact
resistant



Water blocked



Rodent resistant



ROHS compliant

STANDARDS

Construction: RN/SP 31-32-36-37 and MET conditions.

DESCRIPTION AND APPLICATION

Cables from 5 to 40 quads. Copper conductor of 1.0 mm diameter, insulated with double layer of polyethylene "foam skin". Stranded into star quads, petroleum jelly filling, shielded with aluminium-copolymer screen and armoured with two steel tapes. Outer sheath of polyethylene coloured blue. They are underground cables for installation in conduit or direct buried.

CONSTRUCTION

- **Conductors:** Annealed copper, diameter 1 mm.
- **Insulation:** foam skin PE.
- **Cabling elements:** Star quads.
- **Lay-up.** Stranded in units of 5 or 10 quads. Colour code according to RN/SP 31-32-36-37
- **Filling compound:** Petroleum PE jelly.
- **Core wrapping.** Longitudinal dielectric tape applied with overlap.
- **Screen.** Copolymer coated aluminium tape, longitudinally applied with overlap and bonded to the inner sheath with a continuity wire.
- **Inner sheath:** LDPE.
- **Armour:** Two 0.7 mm thick helically applied steel tapes.
- **Outer sheath:** LDPE, UV resistant, colour blue RAL5015.
- **Sheath marking:** The outer sheath shall be marked at regular intervals with the following information:
 - Name of Manufacturer / year / Length markings
 - Other type of markings is also possible according to the customer



All drawings, designs, specifications and particulars of weights, dimensions, etc. in this documentation are only indicative and must not be considered contractual.

TELEPHONE CABLES, FILLED AND ARMoured. MET STANDARD

| ELECTRICAL CHARACTERISTICS (20°C) | | 1,0 mm |
|---|--|-------------------------------|
| Conductor resistance (Ω/km) | | Average: 22,6 / Maximum: 23,5 |
| Resistance unbalance (%) $100 \times (R_{max} - R_{min}) / (R_{min} + R_{max})$ | | 1,0 % |
| Minimum insulation resistance ($M\Omega \times \text{km}$, 15°C, 500 V) | | 5000 |
| Mutual capacitance (nF/km , 800 Hz) | | Average: 38,5 / Maximum: 42 |
| Maximum capacitance unbalance ($\text{pF}/500\text{m}$, 800 Hz) | | |
| Pair-pair of the same quads | | 322 |
| Pair-pair of different quads | | 367 |
| Pair-earth | | 1305 |
| Dielectric strength (Vac, 3 s) | | |
| conductor – conductor | | 1000 |
| conductor - screen | | 2000 |

MECHANICAL CHARACTERISTICS

Temperature range: from -25° C to +70° C

Minimum bending radius: 15 x R_{cable}

DIMENSIONS AND WEIGHTS

| Diameter : 1.00 mm | | | | | |
|--------------------|---------|------------|------------------------|------------|------|
| Code | # Quad. | cable (mm) | Weight approx. (kg/km) | Length (m) | Drum |
| EA6M0H0A0000502N | 5 | 29.2 | 1311 | 1000 | A6 |
| EA6M0H0A0001002N | 10 | 32.9 | 1690 | 1000 | A6 |
| EA6M0H0A0002002N | 20 | 41.1 | 2613 | 1000 | B0 |
| EA6M0H0A0003002N | 30 | 45.6 | 3414 | 1000 | BB |
| EA6M0H0A0004002N | 40 | 52.1 | 4125 | 800 | BB |

All drawings, designs, specifications and particulars of weights, dimensions, etc. in this documentation are only indicative and must not be considered contractual.