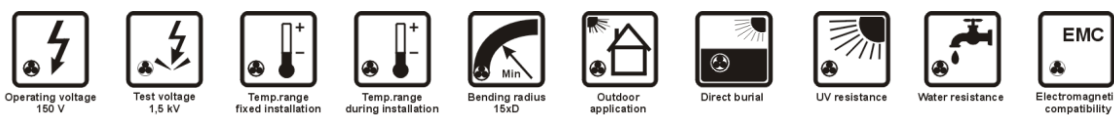


CABLES FOR ALARM, SECURITY AND CONTROL SYSTEMS, FOR DIRECT EARTH BURIAL**APPLICATIONS**

TECHNOINSTAL XzKSLXwekw cables intended for alarm, security and control systems, sensitive to electromagnetic interferences.

Moisture barrier is made of plastic laminated aluminium tape longitudinally applied over a cable core and bonded to polyethylene (PE) cable sheath. The cable core is filled with petro-gel to protect the cable against moisture penetration along the cable.

Sheathing polyethylene (PE) is halogen free and UV radiation and weather resistant, however, it is not self-extinguishing and flame retardant.

The cable is suitable for outdoor installations, laying in ducts and direct earth burial.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- polyethylene (PE) insulation,
- insulated conductors laid-up into a cable core,
- cable core filled-up with petro-gel and wrapped in a polyester tape,
- moisture barrier and additional cable shielding made of a plastic laminated aluminium tape and a drain wire under the tape longitudinally applied over the cable core,
- black polyethylene (PE) cable sheath.

CHARACTERISTICS

| | | | | |
|----------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------|---------------------|
| DC conductor resistance at 20°C, maximum: | - wire 1.0 mm ² - wire 1.5 mm ² - wire 2.5 mm ² | 19.5 Ω/km 13.3 Ω/km 7.98 Ω/km | Effective capacitance between conductors at 1 kHz, appr. | 70 nF/km |
| Operating voltage | 150 V | | Inductance, approximate | 0.7 mH/km |
| Voltage test | 1500 V rms | | Operating temperature range during operation | from - 40 to + 70°C |
| Insulation resistance, minimum | 1500 MΩ·km | | during installation | from - 10 to + 50°C |
| | | | Minimum bending radius | 15 x cable diameter |

CE = the cable meets requirements of the low voltage directive 2014/35/EU

| Product No. | Number of conductors x conductor cross-section | Cable outer diameter (appr.) | Copper index | Cable weight (appr.) |
|-------------|------------------------------------------------|------------------------------|--------------|----------------------|
| | mm ² | mm | kg/km | kg/km |
| 0272 001 | 2 x 1,0 | 9.4 | 24.0 | 105 |
| 0272 002 | 2 x 1,5 | 9.7 | 36.0 | 110 |
| 0272 004 | 2 x 2,5 | 9.6 | 55.0 | 122 |

| Product No. | Number of conductors x conductor cross-section | Cable outer diameter (appr.) | Copper index | Cable weight (appr.) |
|-------------|------------------------------------------------|------------------------------|--------------|----------------------|
| | mm ² | mm | kg/km | kg/km |
| 0272 007 | 4 x 1,0 | 10.2 | 43.2 | 122 |
| 0272 003 | 4 x 1,5 | 10.2 | 65.0 | 150 |
| 0272 008 | 4 x 2,5 | 10.8 | 103.0 | 182 |

Other cross-sections and conductor counts available on request.

TECHNOKABEL S.A. reserves the right to change specifications without prior notice.