

TECHNOINSTAL XzKAXwekw

page 1 of 2

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

TECHNOINSTAL XzKAXwekw 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

- bare annealed copper single wire round conductors of diameter 0.5; 0.6 and 0.8 mm,
- PVC insulation - identification colour code according to PN-92/T-90321,
- insulated conductors twisted into pairs,
- pairs laid-up in layers,
- 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.

AVAILABLE UPON REQUEST

TECHNOINSTAL XzKAXwekwn - cable intended for suspension on poles. The cable is integrated with a steel rope by an '8' shape polyethylene (PE) common sheath.

CHARACTERISTICS

Conductor diameter	mm	0.5	0.6	0.8
DC loop resistance at 20°C, maximum	Ω/km	191.6	133.2	73.6

Operating voltage	150 V	Inductance, approximate	0.7 mH/km
Voltage test	2000 V rms	Operating temperature range	
Mutual capacitance at 1 kHz, approximate	70 nF/km	for fixed installation	from - 40 to + 70°C
		for movable installation	from - 10 to + 50°C
Insulation resistance, minimum	1500 MΩ·km	Minimum bending radius	15 x cable diameter

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

Product No.	Number of pairs (x 2) x conductor diameter	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm	mm	kg/km	kg/km
0270 011	2 x 2 x 0,5	7.3	9.6	50.5
0270 012	3 x 2 x 0,5	7.6	13.4	56.5
0270 008	5 x 2 x 0,5	8.7	21.2	77.0
0270 002	3 x 2 x 0,6	8.9	17.5	71.0
0270 009	5 x 2 x 0,6	9.6	28.4	94.5

Product No.	Number of pairs (x 2) x conductor diameter	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm	mm	kg/km	kg/km
0270 007	1 x 2 x 0,8	8.4	11.6	68.0
0270 001	2 x 2 x 0,8	8.5	21.2	79.5
0270 003	3 x 2 x 0,8	9.3	30.9	94.5
0270 004	5 x 2 x 0,8	10.6	50.2	130.0
0270 006	10 x 2 x 0,8	13.2	98.4	214.5

Other diameters and pair counts available on request.

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