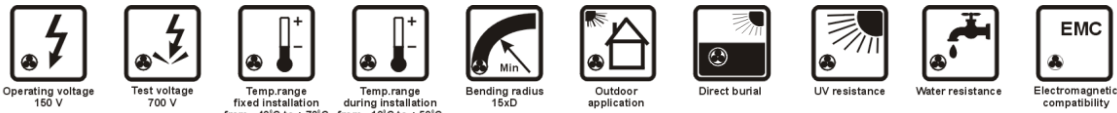


XzTKSXwekp (1) 16x(1x2x0,4c)

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TELECOMMUNICATION CABLES**APPLICATIONS**

XzTKSXwekp 120 16x(1x2x0.4c) mm are multipair, pair individually shielded cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all in industrial electronics applications.

Cables provide data transmission in the following systems: ISDN, PCM and others.

Shielded pair structure substantially decreases mutual influence between signals transmitted along the cable.

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

- tin-plated copper single wire round conductors of diameter 0.4 mm,
- polyethylene (PE) insulation - identification colour code: black, natural,
- insulated conductors twisted into pairs,
- pair shields incorporating aluminium-polyester tape and annealed tinned copper single drain wire,
- shielded pairs laid-up in layers,
- cable core filled 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.

XzTKSXwekp (1) 16x(1x2x0,4c)

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CHARACTERISTICS

Characteristic impedance	120 ± 15 Ω	DC loop resistance at 20°C,	
Mutual capacitance at 1 kHz	60 ± 5 nF/km	maximum	290 Ω/km
Attenuation loss, max - at frequency 1MHz	4.5 dB/100 m	Operating temperature range during operation	from - 40 to + 70 °C
Near-end cross-talk at 1 MHz, minimum	60 dB	during installation	from - 10 to + 50 °C
Insulation resistance, minimum	1000 MΩ·km	Minimum bending radius	15 x cable diameter
Operating voltage	150 V		
Voltage test	700 V rms		

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
0990 001	16x(1x2x0.4c)	15	59	250

Other diameters and pair counts available on request.

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