

YnC-YTKSXekp nx(1x2x0,6c)

page 1 of 1

TELECOMMUNICATION CABLES**APPLICATIONS**

YnC-YTKSXekp nx(1x2x0,6c) mm are multipair, pair and overall 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.

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

To achieve high analogue or digital data transmission performance the cable is protected against external electromagnetic interferences by an overall shield.

The cables are suitable for indoor installations.

CONSTRUCTION

- tin-plated copper single wire round conductors of diameter 0.6 mm,
- polyethylene (PE) insulation - identification colour code: black, grey,
- insulated conductors twisted into pairs,
- pair shield incorporating aluminium-polyester tape and annealed tinned copper single drain wire,
- shielded pairs sheathed with PVC to insulate one shield from another, grey RAL 7035 and printed black number of pair,
- shielded and sheathed pairs laid-up in layers,
- tinned copper wire braid shield of coverage bigger than 80%,
- special self-extinguishing (oxygen index bigger than 29%) PVC cable sheath, grey RAL 7035, other colours also available.

CHARACTERISTICS

Characteristic impedance	80 Ω	DC loop resistance at 20°C, maximum	135.8 Ω/km
Effective capacitance at 1 kHz, approximate	100 nF/km	Operating temperature range for operation	from - 30 to + 80°C
Attenuation loss, max - at frequency 1MHz	6 dB/100 m	for installation	from - 5 to + 50°C
Insulation resistance, minimum	1000 MΩ·km	Minimum bending radius	10 x cable diameter
Operating voltage	150 V	Cable combustibility	flame retardant
Voltage test	1000 V rms	Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2 PN-EN 50266-2-4 , IEC 60332-3-24 (cat. C)
		Reference standards	WT-TK-4, PN-92/T-90320

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

Product No.	Number of conductors x conductor diameter	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm	mm	kg/km	kg/km
0847 003	2x(1x2x0,6c)	9.0	37.1	100
0847 004	4x(1x2x0,6c)	10.2	55.9	133
0847 005	8x(1x2x0,6c)	11.7	91.0	198
0847 002	10x(1x2x0,6c)	14.0	144.0	263
0847 001	12x(1x2x0,6c)	14.5	165.2	310

Other diameters and pair counts available on request.

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