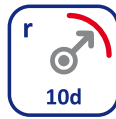
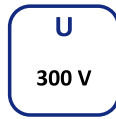
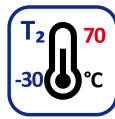
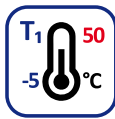




KNX J-Y(St)Y EFK

BASIC CHARACTERISTICS OF THE CABLE

ELEKTRICKÉ / ELECTRIC



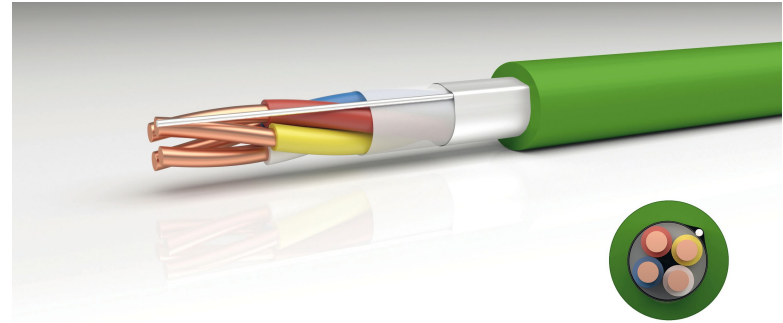
PERFORMANCE IN FIRE



CONSTRUCTION OF THE CABLE

- Copper conductor
- PVC insulation
- Circuit insulation from no hydroscopic foils
- ALPET screening foil
- Copper tinned conductor
- PVC sheath – green

CABLE APPLICATION



STANDARDS

TPEFK 04-05-2012/222+A2
STN EN 50575
STN EN 50090-5-2

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Minimal and nominal thickness of the sheath, nominal and maximal diameters of cables, informative weight of cables and transport drums.

p	Ø 0,8 mm					
	t _{min} [mm]	t [mm]	d [mm]	d _{max} [mm]	m [kg/km]	b [cm]
1	0,58	0,80	4,9	5,2	27	Kruh Ring
2	0,58	0,80	5,3	5,6	41	Kruh Ring
3	0,67	0,90	7,3	7,7	65	80
4	0,67	0,90	8,2	8,7	77	80
5	0,67	0,90	8,8	9,3	92	100
6	0,67	0,90	9,2	9,6	106	100
8	0,67	0,90	9,8	10,2	128	100
10	0,67	0,90	10,2	10,7	158	100
12	0,67	0,90	11,5	12,2	184	100
16	0,84	1,10	13,2	13,9	250	125
20	0,84	1,10	13,9	14,4	292	125
24	0,84	1,10	15,2	15,9	348	125
30	0,84	1,10	16,7	17,7	423	125
40	1,01	1,30	19,3	20,3	565	125
50	1,01	1,30	21,1	22,1	691	150

p – number of pairs

t_{min} – minimal thickness of the sheath

t – nominal thickness of the sheath

d – nominal diameter of the cable over the sheath

d_{max} – maximal diameter of the cable over the sheath

m – informative weight of the cable

b – transport drum

TRANSMISSION PARAMETERS

Diameter of conductors	Ø 0,8 mm	
Max. loop resistance [Ω/km]	75	
Min. insulation resistance [MΩ.km]	100	
Mutual capacitance of a pair [nF/km]	10 kHz	min. 10 max. 100
Inductance [μH/km]	10 kHz	min. 450 max. 850
Max. attenuation [dB/km]	≤ 50 kHz	15
	50 kHz až 500 kHz	min. 15 max. 35 ¹⁾
	0,5 MHz až 5 MHz	min. 35 max. 95 ¹⁾
	5 MHz až 25 MHz	min. 95 max. 200 ¹⁾

NOTE 1: It grows linearly with the logarithm of the frequency.