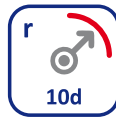
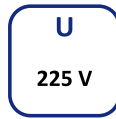
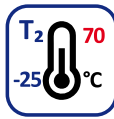
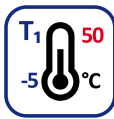




SYKFY

BASIC CHARACTERISTICS OF THE CABLE

ELECTRIC



PERFORMANCE IN FIRE

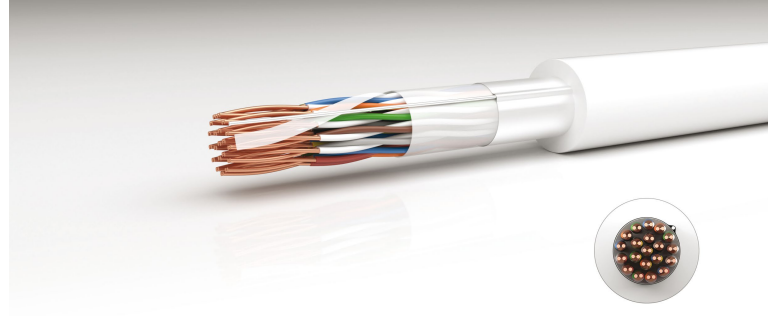


CONSTRUCTION OF THE CABLE

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

CABLE APPLICATION

Screened interior cable for telecom interconnections, data transfers and electronic security systems.



STANDARDS

TPEFK 30-12-2003/201+A5
STN EN 60332-1-2
STN EN 50575

Nominal thickness of the sheath, informative diameters and weight of cables.

p	Ø 0,5 mm			Ø 0,6 mm			Ø 0,8 mm		
	t [mm]	d [mm]	m [kg/km]	t [mm]	d [mm]	m [kg/km]	t [mm]	d [mm]	m [kg/km]
1x4	0,5	5,0	21	-	-	-	-	-	-
2x2	0,5	5,6	22	0,6	5,3	33	0,6	6,2	49
3x2	0,5	6,0	30	0,6	6,2	41	0,6	8,0	67
4x2	0,6	5,7	37	0,6	6,4	47	0,6	8,6	81
5x2	0,6	6,1	45	0,6	6,7	62	0,6	9,6	98
10x2	0,7	7,5	76	0,7	8,9	103	0,9	7,5	183
15x2	0,7	8,5	103	0,7	10,2	144	0,9	13,8	258
20x2	0,8	9,6	136	0,8	11,3	188	0,9	15,6	326
25x2	0,8	10,7	170	0,8	12,6	236	1,0	17,1	412
30x2	0,9	11,6	201	0,9	13,5	281	1,0	18,3	482
50x2	0,9	13,9	298	0,9	16,7	410	1,0	23,9	788
100x2	1,0	19,0	576	1,0	22,5	825	-	-	-

p – number of components

t – nominal thickness of the sheath

d – informative diameter of the cable over the sheath

m – informative weight of the cable

TRANSMISSION PARAMETERS OF CABLES

Diameter of conductors	Ø 0,5 mm	Ø 0,6 mm	Ø 0,8 mm
Max. loop resistance [Ω /km]	195,6	133,2	73,0
Resistance unbalance of a pair [%]	max. 2		
Mutual capacitance of a pair [nF/km]	max. 120		
Capacitance unbalance $k_9^{(1)}$ [pF/500m]	max. 400		

NOTE 1: For the construction 2x2 and 1x4 is the maximum value 1700 pF/500m.

NOTE: The values of capacitance unbalance measured on lengths (L) other than 500m are divided by the coefficient L/500.