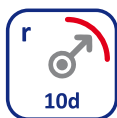
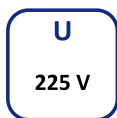
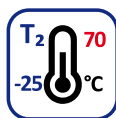
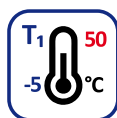


SYKFY

ZÁKLADNÉ VLASTNOSTI KÁBLA BASIC CHARACTERISTICS OF THE CABLE

ELEKTRICKÉ / ELECTRIC



POŽIARNOTECHNICKÉ / PERFORMANCE IN FIRE



KONŠTRUKCIA KÁBLA CONSTRUCTION OF THE CABLE

- Medený vodič
Copper conductor
- PVC izolácia
PVC insulation
- Obvodová izolácia z nehydrokopických fólií
Circuit insulation from no hydroscopic foils
- Tieniaca Al + kopolymér fólia
Aluminium + copolymer screening foil
- PVC plášť – biely
PVC sheath – white

POUŽITIE KÁBLA CABLE APPLICATION



NORMY STANDARDS

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

Ozna enie k blov – str. 136 – 137 / Cable labeling – page 136 – 137

Farebn  k dy – str. 138 – 143 / Color codes – page 138 – 143

Minim ln  hr bky pl  ta, informat vne priemery a hmotnosti k blov.

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

p	� 0,5 mm				� 0,6 mm				� 0,8 mm			
	t _{min} [mm]	d [mm]	m [kg/km]	b [cm]	t _{min} [mm]	d [mm]	m [kg/km]	b [cm]	t _{min} [mm]	d [mm]	m [kg/km]	b [cm]
1x4	0,5	5,0	22	kruh (ring)	-	-	-	-	-	-	-	-
2x2	0,5	5,6	25	kruh(ring)	0,6	5,3	33	kruh(ring)	0,6	7,2	53	100
3x2	0,5	6,0	30	kruh(ring)	0,6	6,2	41	kruh(ring)	0,6	8,0	67	100
4x2	0,6	6,1	40	kruh(ring)	0,6	6,4	47	kruh(ring)	0,6	8,6	82	100
5x2	0,6	7,0	48	kruh(ring)	0,6	6,7	62	kruh(ring)	0,6	9,6	98	100
10x2	0,7	8,0	82	100	0,7	8,9	103	100	0,8	11,8	183	100
15x2	0,7	8,5	108	100	0,7	10,2	144	100	0,8	13,8	258	100
20x2	0,8	10,5	143	100	0,8	11,3	188	100	0,8	15,6	326	125
25x2	0,8	11,2	179	100	0,8	12,6	236	100	0,9	17,1	412	125
30x2	0,9	12,0	214	100	0,9	13,5	281	100	0,9	18,3	482	125
50x2	0,9	14,5	317	100	0,9	16,7	410	125	1,0	23,9	788	125
100x2	1,0	20,0	603	125	1,0	22,5	825	125	-	-	-	-
3x4	0,6	6,5	52	100	0,6	7,0	64	100	-	-	-	-
5x4	0,7	7,5	79	100	0,7	8,5	99	100	-	-	-	-
10x4	0,8	10,0	140	100	0,8	11,0	180	100	-	-	-	-
15x4	0,9	12,0	260	100	0,9	13,0	260	100	-	-	-	-
25x4	0,9	14,5	320	100	0,9	16,0	416	125	-	-	-	-
50x4	1,0	19,5	590	125	1,0	22,0	785	125	-	-	-	-

p – po et prvkov (number of components)

t_{min} – minim lna hr bka pl  ta (minimal thickness of the sheath)

d – informat vny priemer k bla nad pl  tom (informative diameter of the cable over the sheath)

m – informat vna hmotnos  k bla (informative weight of the cable)

b – transportn  bubon (transport drums)

PRENOSOV  PARAMETRE K BLOV P ROVEJ KON TRUKCIE

TRANSMISSION PARAMETERS OF CABLES CONSISTING OF PAIRS

Priemer vodi�ov - Diameter of conductors	� 0,5 mm	� 0,6 mm	� 0,8 mm
Max. odpor elektrickej slu�ky [�/km] - Max. loop resistance [�/km]	195,6	133,2	73,0
Odporov� nerovnov�ha p�ru [%]- Resistance unbalance of a pair [%]	max. 2		
Prev�dzkov� kapacita p�ru [nF/km] - Mutual capacitance of a pair [nF/km]	max. 120		
Kapacitn� nerovnov�ha k ₉₋₁₁ [pF/500m] - Capacitance unbalance k ₉₋₁₁ [pF/500m]	max. 400		

POZN MKA 1: Pre kon trukciu 2x2 je maxim lna hodnota 1700 pF/500 m.

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

POZN MKA: Ak sa meraj  kapacitn  nerovnov hy na inej dl zke (L) ako 500 m, mus  by  nameran  hodnota delen  koeficientom L/500.

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

PRENOSOV  PARAMETRE K BLOV  TVORKOVEJ KON TRUKCIE

TRANSMISSION PARAMETERS OF CABLES CONSISTING OF QUADS

Priemer vodi�ov - Diameter of conductors	� 0,5 mm	� 0,6 mm	� 0,8 mm
Max. odpor elektrickej slu�ky [�/km] - Max. loop resistance [�/km]	195,6	133,2	73,0
Odporov� nerovnov�ha p�ru [%]- Resistance unbalance of a pair [%]	max. 2		
Prev�dzkov� kapacita p�ru [nF/km] - Mutual capacitance of a pair [nF/km]	85±10		
Kapacitn� nerovnov�ha k ₁ [pF/500m] - Capacitance unbalance k ₁ [pF/500m]	max. 500		
Kapacitn� nerovnov�ha k ₉₋₁₂ [pF/500m] - Capacitance unbalance k ₉₋₁₂ [pF/500m]	max. 300		