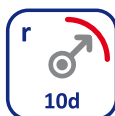
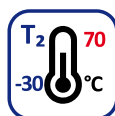
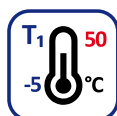


TCEKFLEY

ZÁKLADNÉ VLASTNOSTI KÁBLA BASIC CHARACTERISTICS OF THE CABLE

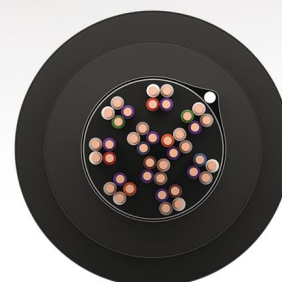
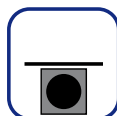
ELEKTRICKÉ / ELECTRIC



KONŠTRUKCIA KÁBLA CONSTRUCTION OF THE CABLE

- Medený vodič
Copper conductor
- Izolácia z plného polyetylénu
Solid polyethylene insulation
- Obvodová izolácia z nehydrokopických fólií
Circuit insulation from no hydroscopic foils
- Tieniaca Al-polymérová folia 100 µm
Aluminum-polymer screening foil 100 µm
- Plášť PE – čierny
PE sheath – black
- PVC plášť – čierny
PVC sheath – black

POUŽITIE KÁBLA CABLE APPLICATION



NORMY STANDARDS

TPEFK 18-02-2008/107

Označenie káblov – str. 136 – 137 / Cable labeling – page 136 – 137

Farebné kódy – str. 138 – 143 / Color codes – page 138 – 143

Minimálne hrúbky plášťa, informatívne priemery a hmotnosti káblov, transportné bubny.

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

p	Ø 0,4 mm				Ø 0,6 mm				Ø 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]
3	1,6	14,0	190	100	1,6	15,0	228	100	1,6	17,5	278	125
5	1,6	15,0	224	100	1,6	17,0	290	125	1,6	19,0	365	125
10	1,6	17,0	291	125	1,6	20,5	421	125	1,6	23,5	572	140
15	1,6	18,5	346	125	1,6	23,0	534	140	1,6	27,5	791	150
20	1,6	20,0	402	125	1,6	24,5	634	140	1,6	30,0	950	160
25	1,6	21,5	464	125	1,6	25,5	725	140	1,6	32,0	1123	160
35	1,6	24,0	574	140	1,6	28,5	917	160	1,6	36,0	1340	180
50	1,6	26,0	708	150	1,6	32,5	1197	160	-	-	-	-

p – počet prvkov (number of components)

t_{min} – minimálna hrúbka plášťa (minimal thickness of the sheath)

d – informatívny priemer kábla nad plášťom (informative diameter of the cable over the sheath)

m – informatívna hmotnosť kábla (informative weight of the cable)

b – transportný bubon (transport drum)

PRENOSOVÉ PARAMETRE / TRANSMISSION PARAMETERS

Priemer vodičov - Diameter of conductors		Ø	Ø	Ø	
		0,4 mm	0,6 mm	0,8 mm	
Max.odpor elektrickej slučky [Ω/km] - Max. loop resistance, [Ω/km]		300	133,2	73,6	
Elektrický odpor vodiča [Ω/km] Electrical resistance of the conductor [Ω/km]	priemer - average	144	64	35	
	jednot. - one	150	67	37	
Odporová nerovnováha páru [%] - Resistance unbalance of a pair [%]		≤ 2	≤ 2	≤ 2	
Prevádzková kapacita páru [nF/km] Mutual capacitance [nF/km]	max.stred - max. middle	42	42	42	
	max.jedn. - max. one	42±4	42±4	42±4	
Kapacitná nerovnováha k₁ [pF/500m] Capacitance unbalance k ₁ [pF/500m]	95% hodnôt - value	< 150	< 150	< 100	
	max.jedn. - max. one	250	250	160	
Kapacitná nerovnováha k₉₋₁₂ [pF/500m] Capacitance unbalance k ₉₋₁₂ [pF/500m]	95% hodnôt - value	< 500	< 500	< 300	
	max.jedn. - max. one	800	800	500	
Maximálne merné tlmenie [dB/km] Attenuation, max [dB/km]	0,8 kHz	1,55	1	0,75	
	16 kHz	6,7	3,8	3	
	150 kHz	12	7	4,6	
	1 MHz	23,5	17,5	12,4	
	2 MHz	35,7	22,5	16	
Presluchové tlmenie na blízkom konci [dB/300m] Crosstalk at near-end [dB/300m]	80 kHz	100%	57	60	61
		90%	62	64	66
	150 kHz	100%	50	53	54
		90%	55	57	59
	1 MHz	100%	37	40	41
		90%	42	44	46
	2 MHz	100%	32	35	36
		90%	37	39	41