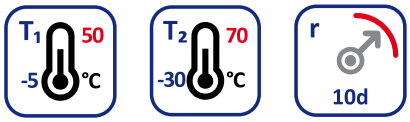
EFK M&R

$B2_{ca}$-s1,d1,a1

BASIC CHARACTERISTICS OF THE CABLE

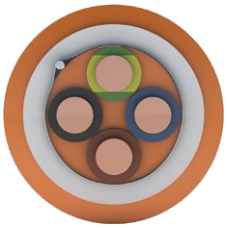
ELECTRIC



PERFORMANCE IN FIRE

STANDARDS

TPEFK 01-10-2001/208+A11/MaR
STN EN 50575



CONSTRUCTION OF THE CABLE

- *Copper conductor*
- *Solid polyethylene insulation*
- *Circuit insulation from a no hydroscopic foil*
- *AlPET screening foil*
- *Filling layer from a halogen-free flame-retarding compound*
- *Sheath from a halogen-free flame-retarding compound – orange*

CABLE APPLICATION

Control cable for interconnection of measurement and control devices with requirement for fire safety and reaction to fire class B2ca.

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EFK M&R

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

Konštrukcia *Construction*	p	t [mm]	d [mm]	m [kg/km]	q [MJ/m]
1x2x0,5	2	0,8	6,1	55	0,67
2x2x0,5	4	0,8	6,5	74	0,84
3x2x0,5	6	0,8	7,0	81	0,87
4x2x0,5	8	0,8	7,3	91	0,94
1x2x0,6	2	0,8	6,6	62	0,81
2x2x0,6	4	0,8	7,0	83	1,01
3x2x0,6	6	0,8	7,6	95	1,10
4x2x0,6	8	0,8	7,9	107	1,21
1x2x0,8	2	0,8	7,2	72	0,86
2x2x0,8	4	0,9	8,0	110	1,28
3x2x0,8	6	0,9	8,9	128	1,42
4x2x0,8	8	1,0	9,5	153	1,67
1x2x1,0	2	0,9	8,3	99	1,20
2x2x1,0	4	1,0	9,4	137	1,88
3x2x1,0	6	1,0	10,5	171	2,10
4x2x1,0	8	1,0	11,3	191	2,57

p – *number conductors*
t – *nominal thickness of the sheath*
d – *informative diameter of the cable over the sheath)* m – *informative weight of the cable*
q – *heat production*

ELECTRICAL PARAMETERS

Diameter of conductors	Ø 0,5 mm	Ø 0,6 mm	Ø 0,8 mm	Ø 1 mm
Max. resistance of the conductor [Ω/km]	97,8	65,0	36,6	25,0
Min. insulation resistance [MΩ.km]	100			
Operation voltage [V]	300			400

COLOR CODES

Construction	1	2	3	4	5	6	7	8
1x2x...	●	●						
2x2x...	●	●	●	●				
More cores	●	●	●[1)]	●[1)]	●[1)]	●[1)]	●[1)]	●[1)]

NOTE 1: Numerated cores.

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