

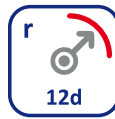
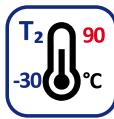
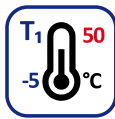


1-CXKH-V

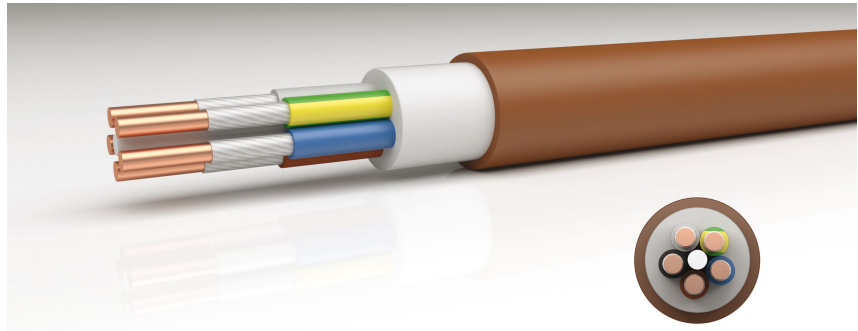
P90-R B2_{ca}-s1,d0,a1

BASIC CHARACTERISTICS OF THE CABLE

ELECTRIC



PERFORMANCE IN FIRE



STANDARDS

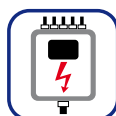
TPEFK 10-01-2002/705+A6/B2ca
STN 34 7661
ČSN 73 0895
PS90, PH120, PH120-R, E90

CONSTRUCTION OF THE CABLE

- Copper conductor
- Glass-mica insulation tape
- Insulation from a halogen-free thermo-settic compound
- Filling layer from a halogen-free flame-retarding compound or a glass-textile flame resistant tape
- Sheath from a halogen-free compound – brown

CABLE APPLICATION

Power cable for distribution of electricity in interiors (emergency lights, fire alarms, equipment for removal of heat and fumes, etc.), meeting requirements for fire safety and reaction to fire class B2ca, maintaining functionality in case of fire for min. 90 minutes.



1-CXKH-V

P90-R B2_{ca} -s1,d0,a1



Nominal thickness of the sheath, informative diameters and weight of cables, current carrying capacity and heat production.

p [n x mm ²]	t [mm]	d [mm]	m [kg/km]	a [A]	q [MJ/m]
2x1,5 RE	1,20	9,1	126	28	1,26
3x1,5 RE	1,20	9,9	154	23	1,51
4x1,5 RE	1,20	10,7	185	23	1,79
5x1,5 RE	1,20	11,4	214	23	2,12
7x1,5 RE	1,20	12,6	264	17	2,42
12x1,5 RE	1,30	15,8	411	14	3,71
19x1,5 RE	1,40	18,7	597	12	5,28
24x1,5 RE	1,40	21,2	744	10	6,49
2x2,5 RE	1,20	9,8	159	37	1,46
3x2,5 RE	1,20	10,7	195	32	1,73
4x2,5 RE	1,20	11,6	237	32	2,04
5x2,5 RE	1,30	12,7	281	32	2,42
7x2,5 RE	1,30	14,0	361	23	2,95
12x2,5 RE	1,30	18,1	574	20	4,54
19x2,5 RE	1,35	20,0	821	16	6,25
24x2,5 RE	1,45	23,8	1 036	14	7,87
1x4,0 RE	1,20	8,4	95	49	0,83
2x4,0 RE	1,20	10,6	207	49	1,72
3x4,0 RE	1,20	11,8	260	42	2,03
4x4,0 RE	1,20	13,1	315	42	2,40
5x4,0 RE	1,30	14,2	379	42	2,84
7x4,0 RE	1,30	15,6	494	32	3,54
12x4,0 RE	1,35	20,2	794	27	5,47
1x6,0 RE	1,20	7,9	117	63	0,90
2x6,0 RE	1,20	11,7	262	63	1,94
3x6,0 RE	1,20	12,6	329	54	2,27
4x6,0 RE	1,20	14,2	413	54	2,76
5x6,0 RE	1,30	15,4	490	54	3,15
7x6,0 RE	1,30	16,9	648	41	3,90
1x10 RE	1,20	9,9	173	86	1,18
3x10 RE	1,30	15,0	488	75	3,11
4x10 RE	1,30	16,1	619	75	3,65
5x10 RE	1,40	18,6	746	75	4,28

p – number of cores x nominal cross-section

RE – shape of the core

t – nominal thickness of the sheath

d – informative diameter of the cable over the sheath

m – informative weight of the cable

a – current carrying capacity, method of laying "E" according to HD 384.5.523.S2, temperature of the core 90°C, air temperature 30°C

q – heat production