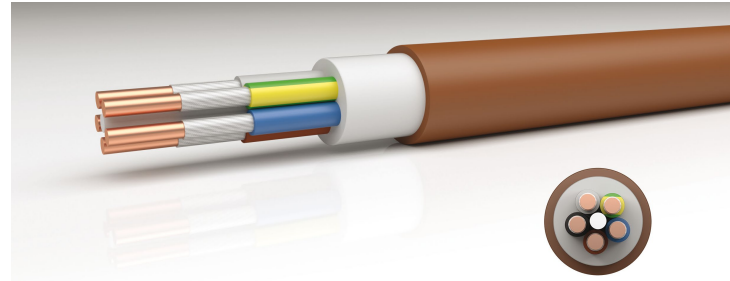




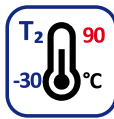
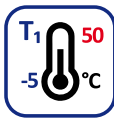
1-CXKH-V

P60-R B2_{ca}-s1,d0,a1

BASIC CHARACTERISTICS OF THE CABLE



ELECTRIC



PERFORMANCE IN FIRE



STANDARDS

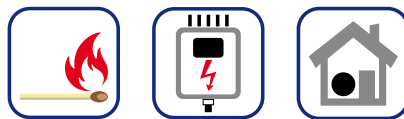
TPEFK 10-01-2002/705+A6/B2ca
STN 34 7661
ČSN 73 0895
in compliance with PS60, PH120,
PH120-R, E60

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
- Sheath from a halogen-free flame-retarding 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. 60 minutes.



1-CXKH-V

P60-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 | 119 | 28 | 1,19 |
| 3x1,5 RE | 1,20 | 9,5 | 148 | 23 | 1,44 |
| 4x1,5 RE | 1,20 | 10,4 | 176 | 23 | 1,69 |
| 5x1,5 RE | 1,20 | 11,2 | 204 | 23 | 1,97 |
| 7x1,5 RE | 1,20 | 12,1 | 251 | 17 | 2,28 |
| 12x1,5 RE | 1,30 | 15,3 | 396 | 14 | 3,50 |
| 19x1,5 RE | 1,40 | 17,9 | 571 | 12 | 4,95 |
| 24x1,5 RE | 1,40 | 20,4 | 711 | 10 | 6,09 |
| 2x2,5 RE | 1,20 | 9,8 | 151 | 37 | 1,38 |
| 3x2,5 RE | 1,20 | 10,3 | 187 | 32 | 1,63 |
| 4x2,5 RE | 1,20 | 11,3 | 224 | 32 | 1,89 |
| 5x2,5 RE | 1,30 | 12,3 | 267 | 32 | 2,23 |
| 7x2,5 RE | 1,30 | 13,6 | 343 | 23 | 2,77 |
| 12x2,5 RE | 1,30 | 17,7 | 548 | 20 | 4,24 |
| 19x2,5 RE | 1,35 | 20,0 | 789 | 16 | 5,83 |
| 24x2,5 RE | 1,45 | 22,9 | 991 | 14 | 7,34 |
| 1x4,0 RE | 1,20 | 7,2 | 92 | 49 | 0,80 |
| 2x4,0 RE | 1,20 | 10,6 | 198 | 49 | 1,61 |
| 3x4,0 RE | 1,20 | 11,7 | 248 | 42 | 1,90 |
| 4x4,0 RE | 1,20 | 12,6 | 303 | 42 | 2,22 |
| 5x4,0 RE | 1,30 | 13,9 | 364 | 42 | 2,62 |
| 7x4,0 RE | 1,30 | 15,2 | 477 | 32 | 3,30 |
| 12x4,0 RE | 1,35 | 19,5 | 765 | 27 | 5,07 |
| 1x6,0 RE | 1,20 | 7,8 | 115 | 63 | 0,89 |
| 2x6,0 RE | 1,20 | 11,7 | 254 | 63 | 1,88 |
| 3x6,0 RE | 1,20 | 12,6 | 321 | 54 | 2,19 |
| 4x6,0 RE | 1,20 | 13,8 | 400 | 54 | 2,64 |
| 5x6,0 RE | 1,30 | 14,9 | 475 | 54 | 3,01 |
| 7x6,0 RE | 1,30 | 16,5 | 631 | 41 | 3,87 |
| 1x10 RE | 1,20 | 9,8 | 170 | 86 | 1,15 |
| 3x10 RE | 1,30 | 15,0 | 482 | 75 | 2,95 |
| 4x10 RE | 1,30 | 16,1 | 608 | 75 | 3,47 |
| 5x10 RE | 1,40 | 18,2 | 749 | 75 | 4,10 |

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