



1-CXKH-R

B2_{ca}-s1,d0,a1

BASIC CHARACTERISTICS OF THE CABLE

ELECTRIC



PERFORMANCE IN FIRE



STANDARDS

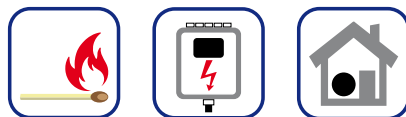
TPEFK 14-01-2002/703+A8/B2ca
STN EN 50575

CONSTRUCTION OF THE CABLE

- Copper conductor
- Insulation from cross-linked PE
- Filling layer from a halogen-free flame-retarding compound
- Sheath from a halogen-free flame-retarding compound – orange

CABLE APPLICATION

Power cable for distribution of electricity in interiors, in areas with higher number of people (hotels, hospitals, shopping centres, etc.), meeting requirements for fire safety and reaction to fire class B2ca.



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

| p | t [mm] | d [mm] | m [kg/km] | a [A] | q [MJ/m] |
|-----------|-----------|-----------|--------------|----------|-------------|
| 2x1,5 RE | 1,20 | 9,1 | 120 | 30 | 1,25 |
| 3x1,5 RE | 1,20 | 9,5 | 143 | 24 | 1,52 |
| 4x1,5 RE | 1,20 | 10,4 | 170 | 24 | 1,80 |
| 5x1,5 RE | 1,20 | 11,2 | 201 | 24 | 2,08 |
| 7x1,5 RE | 1,20 | 12,1 | 245 | 14 | 2,46 |
| 12x1,5 RE | 1,30 | 15,2 | 384 | 12 | 3,82 |
| 19x1,5 RE | 1,40 | 17,5 | 526 | 11 | 5,45 |
| 24x1,5 RE | 1,40 | 20,2 | 658 | 10 | 6,72 |
| 30x1,5 RE | 1,50 | 23,5 | 794 | 9 | 8,02 |
| 2x2,5 RE | 1,20 | 9,8 | 148 | 40 | 1,46 |
| 3x2,5 RE | 1,20 | 10,3 | 184 | 32 | 1,74 |
| 4x2,5 RE | 1,20 | 11,3 | 218 | 32 | 2,05 |
| 5x2,5 RE | 1,30 | 12,6 | 265 | 32 | 2,48 |
| 7x2,5 RE | 1,30 | 13,8 | 331 | 20 | 3,00 |
| 12x2,5 RE | 1,40 | 18,0 | 525 | 17 | 4,64 |
| 19x2,5 RE | 1,40 | 21,1 | 726 | 16 | 6,45 |
| 24x2,5 RE | 1,50 | 24,3 | 922 | 13 | 8,12 |
| 1x4,0 RE | 1,00 | 7,1 | 91 | 62 | 0,82 |
| 2x4,0 RE | 1,20 | 11,6 | 196 | 51 | 1,69 |
| 3x4,0 RE | 1,20 | 11,7 | 247 | 42 | 2,04 |
| 4x4,0 RE | 1,30 | 12,9 | 301 | 42 | 2,41 |
| 5x4,0 RE | 1,30 | 13,8 | 359 | 42 | 2,93 |
| 7x4,0 RE | 1,30 | 15,2 | 454 | 28 | 3,57 |
| 1x6,0 RE | 1,00 | 7,7 | 113 | 79 | 0,97 |
| 2x6,0 RE | 1,20 | 12,6 | 247 | 64 | 1,97 |
| 3x6,0 RE | 1,30 | 13,1 | 324 | 53 | 2,35 |
| 4x6,0 RE | 1,30 | 14,9 | 390 | 53 | 2,88 |
| 5x6,0 RE | 1,30 | 14,9 | 465 | 53 | 3,39 |
| 7x6,0 RE | 1,40 | 17,5 | 603 | 33 | 4,22 |
| 1x10 RE | 1,15 | 8,6 | 168 | 107 | 1,18 |
| 3x10 RE | 1,30 | 14,6 | 474 | 74 | 3,09 |
| 4x10 RE | 1,30 | 16,1 | 583 | 74 | 3,74 |
| 5x10 RE | 1,40 | 18,2 | 742 | 74 | 4,65 |

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