

CMSM

Control cable, unshielded

DESIGN



- 1 | Copper conductor, fine wire (-F)
- 2 | Core insulation (PVC), cores stranded in layers
- 3 | Inner covering (plastic tape)
- 4 | Sheath (grey PVC)

APPLICATION

Cables for electricity distribution in flexible installations, for controlling or supplying electric and electronic devices.

TECHNICAL DATA


Standard:

TP PRAKAB 08/03 – 2. edition


Rated voltage:

300/500 V


Test voltage:

2 kV/50 Hz


Temperature range:

laying temperature: min. -5 °C
 operating temperature:
 – fixed: -60 °C to +70 °C
 – in motion: -25 °C to +65 °C
 short-circuit temperature: max. +160 °C/5 s


Bending radius (min.):

12 x Ø of cable


Core identification:

HD 308 S2


Fire properties:

flame retardant:
 EN 60332-1-2


Certificate:

EZÚ Czech Republic

| Number of cores x nominal cross section (mm ²) | Max. conductor resistance (Ω/km) | Current rating in air ¹⁾ (A) | Outer diameter (mm) ca. | Total weight (kg/km) ca. | Standard lengths/packing (m) |
|--|----------------------------------|---|-------------------------|--------------------------|------------------------------|
| CMSM | | | | | |
| 2 X 0.5 | 39.000 | 11 | 4.8 | 40 | 100 R |
| 3 G 0.5 | 39.000 | 9 | 5.0 | 45 | 100 R |
| 4 G 0.5 | 39.000 | 9 | 5.7 | 55 | 100 R |
| 5 G 0.5 | 39.000 | 9 | 6.2 | 65 | 100 R |
| 7 G 0.5 | 39.000 | 6 | 6.7 | 85 | 100 R |
| 12 G 0.5 | 39.000 | 5 | 9.0 | 145 | 1,000 D |
| 19 G 0.5 | 39.000 | 4 | 10.4 | 185 | 1,000 D |
| 24 G 0.5 | 39.000 | 4 | 12.4 | 240 | 500 D |
| 37 G 0.5 | 39.000 | 4 | 14.3 | 350 | 300 D |
| 2 X 0.75 | 26.000 | 14 | 5.2 | 45 | 100 R |
| 3 G 0.75 | 26.000 | 12 | 5.4 | 55 | 100 R |
| 4 G 0.75 | 26.000 | 12 | 6.2 | 70 | 100 R |
| 5 G 0.75 | 26.000 | 12 | 6.8 | 85 | 100 R |
| 7 G 0.75 | 26.000 | 7 | 7.3 | 105 | 1,000 D |
| 12 G 0.75 | 26.000 | 6 | 9.9 | 185 | 1,000 D |
| 19 G 0.75 | 26.000 | 5 | 11.3 | 245 | 1,000 D |

CMSM

| Number of cores x nominal cross section (mm ²) | Max. conductor resistance (Ω/km) | Current rating in air ¹⁾ (A) | Outer diameter (mm) ca. | Total weight (kg/km) ca. | Standard lengths/ packing (m) |
|--|----------------------------------|---|-------------------------|--------------------------|-------------------------------|
| CMSM | | | | | |
| 24 G 0.75 | 26.000 | 5 | 13.3 | 310 | 500 D |
| 37 G 0.75 | 26.000 | 4 | 15.5 | 465 | 300 D |
| 2 X 1 | 19.500 | 16 | 5.5 | 55 | 100 R |
| 3 G 1 | 19.500 | 14 | 5.9 | 65 | 100 R |
| 4 G 1 | 19.500 | 14 | 6.5 | 80 | 100 R |
| 5 G 1 | 19.500 | 14 | 7.2 | 100 | 100 R |
| 7 G 1 | 19.500 | 8 | 8.0 | 130 | 1,000 D |
| 12 G 1 | 19.500 | 7 | 10.8 | 225 | 1,000 D |
| 19 G 1 | 19.500 | 6 | 12.1 | 300 | 1,000 D |
| 24 G 1 | 19.500 | 5 | 14.4 | 385 | 500 D |
| 37 G 1 | 19.500 | 4 | 16.8 | 580 | 300 D |
| 2 X 1.5 | 13.300 | 21 | 6.3 | 70 | 100 R |
| 3 G 1.5 | 13.300 | 18 | 6.6 | 85 | 100 R |
| 4 G 1.5 | 13.300 | 18 | 7.3 | 105 | 100 R |
| 5 G 1.5 | 13.300 | 18 | 8.2 | 135 | 100 R |
| 7 G 1.5 | 13.300 | 11 | 8.9 | 170 | 1,000 D |
| 12 G 1.5 | 13.300 | 9 | 12.0 | 295 | 1,000 D |
| 19 G 1.5 | 13.300 | 8 | 14.5 | 440 | 1,000 D |
| 24 G 1.5 | 13.300 | 5 | 17.2 | 560 | 500 D |
| 37 G 1.5 | 13.300 | 4 | 20.0 | 840 | 300 D |
| 2 X 2.5 | 7.980 | 28 | 7.6 | 110 | 100 R |
| 3 G 2.5 | 7.980 | 25 | 8.1 | 135 | 100 R |
| 4 G 2.5 | 7.980 | 25 | 9.0 | 170 | 100 R |
| 5 G 2.5 | 7.980 | 25 | 10.1 | 215 | 1,000 D |
| 7 G 2.5 | 7.980 | 17 | 11.2 | 275 | 1,000 D |
| 12 G 2.5 | 7.980 | 13 | 15.1 | 475 | 500 D |

1) basic rated current acc. to TP PRAKAB 08/03 – 2. edition
Subject to technical changes.