

Power cable

Installation cable, XLPE insulated

XMvK-G

450/750 V



According to KEMA K42-C 07-1,2,3.

| Characteristics | Properties | Unit |
|---|-------------------------------------|------|
| Conductor material | Copper | |
| Conductor category | Class 1 = solid | |
| Core insulation material | Polyolefin | |
| Core identification according to HD 308 S2 | Yes | |
| Core colour | | |
| Protective conductor | Yes | |
| Max. conductor temperature | 90 | °C |
| Screen | No | |
| Armouring/reinforcement | None | |
| Material outer sheath | Polyvinyl chloride (PVC) | |
| Colour outer sheath | Grey | |
| Reaction-to-fire according to EN 13501-6: Class | Eca | |
| Halogen free (acc. EN 60754-1/2) | No | |
| Flame retardant | In accordance with IEC/EN 60332-1-2 | |

| Characteristics | Properties | Unit |
|--|------------|-----------|
| Low smoke (acc. EN 61034-2) | No | |
| Permitted cable outer temperature after assembling without vibration | -5 <=> 70 | °C |
| Nominal voltage U0 | 450 | V |
| Nominal voltage U | 750 | V |
| Shape of conductor | Round | |
| Suitable as installation cable | Yes | |
| Certified for shipboard application | No | |
| Suitable as medium-voltage cable | No | |
| Suitable as high-voltage cable | No | |
| Certified as airport lighting cable | No | |
| Minimum bending radius | 12 | x Außen-Ø |
| max. short circuit temperature | 250 | °C |

| Product | | | | | | | Packaging | | | | | | |
|-----------------|--|----------------------------|---|-------------------------|--------------------------------|----------------------|------------|--------------------------|--------------------------|---|--------------|----------------------|--------------------|
| Number of cores | Nominal cross section conductor (in mm²) | Conductor Diameter (in mm) | Conductor resistance at 20 °C (in EU571143) | Kerndurchmesser (in mm) | Outer diameter approx. (in mm) | Weight (in EU571166) | Packing | Individual length (in m) | Außendurchmesser (in mm) | Bruttogewicht pro Paletteinheit (in kg) | Höhe (in mm) | Paletteinheit (in m) | Net weight (in kg) |
| 3 | 1.5 | 1.5 | 12.1 | 200 | 9 | 111.97 | Ring | 100 | 400 | 694.62 | 77 | 6,000 | 11 |
| 3 | 1.5 | | 12.1 | 150 | 9 | 111.97 | Drum | 500 | 410 | 731.82 | 419 | 6,000 | 56 |
| 3 | 2.5 | | 7.41 | | 10 | 148.19 | Ring, Drum | Cut length | | | | | 148 |
| 3 | 2.5 | | 7.41 | | 10 | 148.19 | Ring | 50 | | 645.2 | | 4,200 | 7 |
| 3 | 2.5 | | 7.41 | 200 | 10 | 148.19 | Ring | 100 | 390 | 734.11 | 98 | 4,800 | 15 |
| 3 | 2.5 | | 7.41 | 150 | 10 | 148.19 | Drum | 500 | 450 | 951.54 | 419 | 6,000 | 74 |
| 4 | 1.5 | | 12.1 | | 10 | 132.13 | Ring | 100 | | 815.58 | | 6,000 | 13 |

| Product | | | | | | | Packaging | | | | | | |
|-----------------|--|----------------------------|---|-------------------------|--------------------------------|----------------------|------------|--------------------------|--------------------------|---|--------------|----------------------|--------------------|
| Number of cores | Nominal cross section conductor (in mm²) | Conductor Diameter (in mm) | Conductor resistance at 20 °C (in EU571143) | Kerndurchmesser (in mm) | Outer diameter approx. (in mm) | Weight (in EU571166) | Packing | Individual length (in m) | Außendurchmesser (in mm) | Bruttogewicht pro Paletteinheit (in kg) | Höhe (in mm) | Paletteinheit (in m) | Net weight (in kg) |
| 4 | 1.5 | | 12.1 | 150 | 10 | 132.13 | Drum | 500 | 500 | 718.45 | 419 | 5,000 | 66 |
| 4 | 2.5 | | 7.41 | | 10 | 177.62 | Ring, Drum | Cut length | | | | | 178 |
| 4 | 2.5 | | 7.41 | 200 | 10 | 177.62 | Ring | 100 | 390 | 662.23 | 114 | 3,600 | 18 |
| 4 | 2.5 | | 7.41 | 200 | 10 | 177.62 | Ring | 100 | 390 | 875.38 | 114 | 4,800 | 18 |
| 4 | 2.5 | 2.5 | 7.41 | 150 | 10 | 177.62 | Drum | 500 | 500 | 945.9 | 419 | 5,000 | 89 |
| 4 | 2.5 | | 7.41 | 150 | 10 | 177.62 | Drum | 500 | 500 | 945.9 | 419 | 5,000 | 89 |
| 5 | 1.5 | | 12.1 | 200 | 10 | 153.47 | Ring | 100 | 390 | 759.46 | 110 | 4,800 | 15 |
| 5 | 1.5 | 1.5 | 12.1 | 150 | 10 | 153.47 | Drum | 500 | 500 | 825.15 | 419 | 5,000 | 77 |
| 5 | 2.5 | | 7.41 | | 11 | 208.47 | Ring, Drum | Cut length | | | | | 208 |
| 5 | 2.5 | | 7.41 | 200 | 11 | 208.47 | Ring | 50 | 400 | 835.83 | 62 | 3,900 | 10 |
| 5 | 2.5 | | 7.41 | 200 | 11 | 208.47 | Ring | 100 | 390 | 773.29 | 133 | 3,600 | 21 |
| 5 | 2.5 | | 7.41 | 260 | 11 | 208.47 | Drum | 500 | 600 | 457.34 | 419 | 2,000 | 104 |