

Reeling cable

Reelingflex AL



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

Application: Reeling cables are designed for power supply connections to all types of mobile equipment and vehicles used in quarrying, open-cast mining and other large scale civil engineering operations. For applications in mining and milling sites, construction plants, industry etc. The cable can also be used as a festoon cable.

Construction and technical data:

| | |
|---|---|
| Conductor material: | aluminium |
| Conductor construction: | Class 5 = flexible |
| Insulation: | HEPR |
| Pilot conductor: | copper, bare, class 5, halogen free, EVI-1, red |
| Material inner sheath: | polyurethan |
| Self-supporting element: | Kevlar® |
| Sheathing material: | polyurethan |
| Colour of outer sheath: | yellow |
| Flame-retardant: | VDE 0482-332-1-2/IEC 60332-1-2 |
| Halogen-free: | yes |
| UV-resistant: | yes |
| Oil-resistant: | EN 60811-2-1 |
| Ozone-resistant: | yes |
| Max. temperature at conductor, °C: | 90 °C |
| Max. short circuit temperature at conductor, °C: | 250 °C |
| Permitted outer cable temperature, fixed, °C: | -40 - +80 °C |
| Permitted outer cable temperature, moved, °C: | -30 - +80 °C |
| Bending radius, fixed installation: | 6 x Ø |
| Bending radius, moving application: | 8 x Ø |
| Operating speed random, m/min.: | 180 m/min. |
| Operating speed festoon, m/min.: | 200 m/min. |



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

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Nominal voltage U_o: 0.6 kV

Nominal voltage U: 1 kV

Test voltage: 3.5 kV

| part no. | part name | RI [Ohm/km] | I _{bl} [A] | Ø [mm] | Al | Cu | G [kg] |
|----------|----------------------|-------------|---------------------|--------|------|----|--------|
| 038183 | 3X25 + 3G6 + 2X2.5 | 1.285 | 75 | 28 | 251 | 48 | 750 |
| 038184 | 3X35 + 3G6 + 2X2.5 | 0.915 | 94 | 30 | 332 | 48 | 1000 |
| 038185 | 3X50 + 3G10 + 2X2.5 | 0.645 | 114 | 34.2 | 486 | 48 | 1250 |
| 038186 | 3X70 + 3G16 + 2X2.5 | 0.445 | 146 | 39 | 697 | 48 | 1600 |
| 038187 | 3X95 + 3G16 + 2X2.5 | 0.34 | 177 | 43.1 | 903 | 48 | 2150 |
| 038188 | 3X120 + 3G25 + 2X2.5 | 0.266 | 205 | 47.3 | 1170 | 48 | 2650 |
| 038189 | 3X150 + 3G25 + 2X2.5 | 0.213 | 235 | 54.7 | 1490 | 48 | 3380 |
| 038190 | 3X185 + 3G35 + 2X2.5 | 0.174 | 267 | 59.3 | 1782 | 48 | 4000 |
| 038191 | 3X240 + 3G50 + 2X2.5 | 0.132 | 319 | 63.5 | 2340 | 48 | 4900 |

| | |
|-----------------|-------------------------|
| RI | Conductor resistance |
| I _{bl} | Ampacity in air (30 °C) |
| Ø | outer diameter approx. |
| Al | Aluminium weight (GER) |
| Cu | Copper weight (GER) |
| G | net weight per 1000 |