

# CABLE REELS

## FLEXIDRUM® MEDIUM R 90 I

From 8,7/15 Kv up to 12/20 Kv

ELETTROTEK KABEL® FLEXIDRUM® R 90 I



Suitable for reeling application

Suitable for festoon application

### Construction:

|                                     |  |
|-------------------------------------|--|
| <b>Conductor:</b>                   | flexible red copper conductor Cl. 5, acc. to IEC 60228, DIN VDE 0295 |
| <b>Inner semi-conductive layer:</b> | semi-conducting compound   |
| <b>Insulation:</b>                  | rubber EPR special compound  |
| <b>Outer semi-conductive layer:</b> | semi-conducting compound   |
| <b>Core color:</b>                  | natural color with black semi-conducting compound                    |
| <b>Screen:</b>                      | red copper braid   |
| <b>Outer sheath:</b>                | red (similar to RAL 3000) special PUR compound                       |

### Technical data:

|   |                               |
|---|-------------------------------|
| <b>Nominal voltage:</b>                   | U/oU 8,7/15 kV up to 12/20 kV |
| <b>Temperature range:</b>                 |                               |
| <i>Fixed laying:</i>                      | -50°C up to +80°C             |
| <i>Flexible installation:</i>             | -30°C up to +80°C             |
| <b>Max. temperature on conductor:</b>     | + 90°C                        |
| <b>Max. temperature in short circuit:</b> | + 250 °C                      |
| <b>Tensile strenght:</b>                  | ≤ 20 N mm <sup>2</sup>        |
| <b>Max speed (main application):</b>      | 60 m/min.                     |

### Resistance:



**Self-extinguishing and flame retardant acc. to:**  
DIN VDE 0482 part 265-2-1  
EN 50265-2-1  
IEC 60332-1-2

### Features:

#### tunneling machines!

- on request other voltages
- outdoor use
- UV, ozone and water resistant
- oil resistant
- small outer diameter
- reduced cable weight
- possible without anti-twisting reinforcement
- for SPEED and MINIMUM BENDING RADIUS see pages from 2 to 8 of catalogue

RoHS approval



### Applications:

FLEXIDRUM® MEDIUM R 90 I is used in reel, festoon and flexible/ fixed applications

8,7/15 kV (18) kV

| Part no.       | No. of cores<br>x cross section<br>n x mm <sup>2</sup> | Outer-Ø<br>ca.mm<br>± 10% | Cable<br>weight approx.<br>kg/km | Tensile<br>strenght<br>N | AWG<br>no.®) |
|----------------|--|---------------------------|----------------------------------|--------------------------|--------------|
| 02030SRL010M63 | 1x25   | 18,5                      | 550                              | 500                      | 4            |
| 02030SRL010M64 | 1x35   | 20                        | 680                              | 700                      | 2            |
| 02030SRL010M65 | 1x50   | 21                        | 880                              | 1000                     | 1            |
| 02030SRL010M66 | 1x70   | 23,3                      | 1170                             | 1400                     | 2/0          |
| 02030SRL010M67 | 1x95   | 25,3                      | 1500                             | 1900                     | 3/0          |
| 02030SRL010M68 | 1x120  | 27,3                      | 1840                             | 2400                     | 4/0          |
| 02030SRL010M69 | 1x150  | 29,25                     | 2230                             | 3000                     | 250 MCM      |

12/20 kV (24) kV

| Part no.       | No. of cores<br>x cross section<br>n x mm <sup>2</sup> | Outer-Ø<br>ca.mm<br>± 10% | Cable<br>weight approx.<br>kg/km | Tensile<br>strenght<br>N | AWG<br>no.®) |
|----------------|--|---------------------------|----------------------------------|--------------------------|--------------|
| 02030URL010M63 | 1x25   | 22                        | 550                              | 500                      | 4            |
| 02030URL010M64 | 1x35   | 22,5                      | 680                              | 700                      | 2            |
| 02030URL010M65 | 1x50   | 23                        | 880                              | 1000                     | 1            |
| 02030URL010M66 | 1x70   | 25,5                      | 1170                             | 1400                     | 2/0          |
| 02030URL010M67 | 1x95   | 27                        | 1500                             | 1900                     | 3/0          |
| 02030URL010M68 | 1x120  | 28,75                     | 1840                             | 2400                     | 4/0          |
| 02030URL010M69 | 1x150  | 30,25                     | 2230                             | 3000                     | 250 MCM      |

Other dimensions and colors available on request.