

# INDUSTRIAL MEDIUM VOLTAGE CABLES

## RG7H1O(GS)M1

Three-cores, copper tape screen, GAALSHOCK inner sheath, 12/20 kV up to 18/30 kV



ELETTROTEK KABEL® RG7H1O(GS)M1



### Construction:

<b>Conductor:</b>	stranded red copper conductor Cl.2, acc. to IEC 60228
<b>Insulation:</b>	rubber type G7
<b>Inner semi-conductive layer:</b>	extruded compound
<b>Outer semi-conductive layer:</b>	strippable cold extruded compound
<b>Screen:</b>	red copper tape
<b>Inner sheath:</b>	non-hygroscopic compound
<b>Armour:</b>	GAAL THERM® 600 (GAALSHOCK technology)
<b>Outer sheath:</b>	red (RAL 3000), thermoplastic polyolefine, halogen-free, type M1

### Resistance:



**Self-extinguishing and Flame retardant acc to:**  
DIN VDE 0482 part 266-2-4  
EN 50266-2-4  
IEC 60332-3C



**Halogen free acc. to:**  
EN 50267-2-1  
IEC 60754-1  
DIN VDE 0482 part.267-2



**Corrosiveness of conflagration gases acc. to:**  
IEC 60754-2  
DIN EN 50267-2-2,



**Smoke density acc. to:**  
IEC 61034  
EN 61034, CEI 20-38

### Technical data:

<b>Nominal voltage:</b>	12/20 kV up to 18/30 kV
<b>Test voltage:</b>	29 kV 43 kV
<b>Temperature range:</b>	- 25 °C / + 90 °C
<b>Max short circuit temperature:</b>	+ 250 °C
<b>Min. bending radius:</b>	12 x d

### Features:

according to IEC 60502-2

#### GAALSHOCK PROTECTION:

- 1: Excellent mechanical protection than steel
- 2: Reduced weight
- 3: Installation, storage and transport reduced costs

#### 12/20 kV

Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48090UR1030M64	3 x 35	58,6	4160	2
48090UR1030M65	3 x 50	61,2	4750	1
48090UR1030M66	3 x 70	63,1	5600	2/0
48090UR1030M67	3 x 95	70,1	6880	3/0
48090UR1030M68	3 x 120	73,6	7940	4/0
48090UR1030M69	3 x 150	76,8	9050	250 MCM
48090UR1030M70	3 x 185	80,8	10520	350 MCM
48090UR1030M71	3 x 240	86,4	12760	450 MCM

#### 18/30 kV

Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48090XR1030M65	3 x 50	74,2	6450	1
48090XR1030M66	3 x 70	78,3	7520	2/0
48090XR1030M67	3 x 95	82	8740	3/0
48090XR1030M68	3 x 120	85,7	9890	4/0
48090XR1030M69	3 x 150	88,9	11080	250 MCM
48090XR1030M70	3 x 185	92,6	12600	350 MCM
48090XR1030M71	3 x 240	98,4	15020	450 MCM

Other dimensions and colours available on request.