

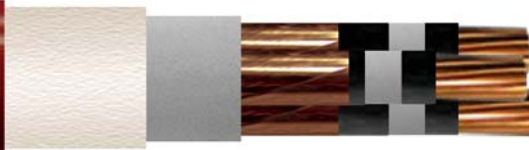
INDUSTRIAL MEDIUM VOLTAGE CABLES

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:

Conductor:	stranded red copper conductor Cl.2, acc. to IEC 60228
Inner semi-conductive layer:	extruded elastomeric compound
Insulation:	rubber type G7
Outer semi-conductive layer:	extruded elastomeric compound
Screen:	red copper tape
Inner sheath:	non-hygroscopic compound
Armour:	GAALTHERM® 600 (GAALSHOCK technology)
Outer sheath:	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:

Nominal voltage:	U _o /U 12/20 kV, U _o /U 18/30 kV
Test voltage:	U _o /U 12/20 kV = 29 kV, U _o /U 18/30 kV = 45 kV
Max. operating voltage:	U _o /U 12/20 kV = U _m 24 kV U _o /U 18/30 kV = U _m 36 kV
Temperature range:	- 25 °C up to + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	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 (U_m 24 kV)

Part no.	No. of cores x cross section n x mm ²	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 (U_m 36 kV)

Part no.	No. of cores x cross section n x mm ²	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.