

INDUSTRIAL MEDIUM VOLTAGE CABLES

RG7HI(O)NMI



ELETTROTEK KABEL® RG7H10NM1

Construction:

Conductor:	stranded red copper conductor Cl.2, acc.to IEC 60228
Inner semi-conductive layer:	extruded semi-conducting compound
Insulation:	rubber type G7
Outer semi-conductive layer:	extruded semi-conducting compound
Screen:	red copper tape
Inner sheath:	halogen-free type M1, colour natural
Armour:	steel tape
Outer sheath:	red (RAL 3000), thermoplastic polyolefine halogen-free type M1

Technical data:

Nominal voltage:	U _o /U 1,8/3 kV, U _o /U 3,6/6 kV, U _o /U 6/10 kV, U _o /U 8,7/15 kV, U _o /U 12/20 kV, U _o /U 18/30 kV, U _o /U 26/45 kV
Test voltage:	U _o /U 1,8/3 kV = 6 kV, U _o /U 3,6/6 kV = 11 kV, U _o /U 6/10 kV = 17 kV, U _o /U 8,7/15 kV = 24 kV, U _o /U 12/20 kV = 29 kV, U _o /U 18/30 kV = 45 kV
Max. operating voltage:	U _o /U 1,8/3 kV = U _m 3,6 kV U _o /U 3,6/6 kV = U _m 7,2 kV U _o /U 6/10 kV = U _m 12 kV U _o /U 8,7/15 kV = U _m 17,5 kV U _o /U 12/20 kV = U _m 24 kV U _o /U 18/30 kV = U _m 36 kV U _o /U 26/45 kV = U _m 52 kV
Temperature range:	- 15 °C up to + 90 °C
Max short circuit temperature:	+ 250 °C
Min installation temperature:	0 °C
Min. bending radius:	16 x d

1,8/3 kV (U_m 3,6 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.)*
48070KR1030M61	3x10	30,5	1343	8
48070KR1030M62	3x16	32,5	1642	6
48070KR1030M63	3x25	35,5	1990	4
48070KR1030M64	3x35	37,5	2388	2
48070KR1030M65	3x50	40,5	2985	1
48070KR1030M66	3x70	44,5	3861	2/0
48070KR1030M67	3x95	48	4876	3/0
48070KR1030M68	3x120	52	5871	4/0
48070KR1030M69	3x150	55,5	6915	250 MCM
48070KR1030M70	3x185	59,5	8278	350 MCM
48070KR1030M71	3x240	65	10393	450 MCM
48070KR1030M72	3x300	70,5	13154	550 MCM
48070KR1030M73	3x400	77,5	15821	750 MCM

Resistance:



Flame retardant acc to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-3-24 CEI 20-22 III



Halogen-free acc. to:
acc. to DIN VDE 0482 part 267
EN 50267-2-1
IEC 60754-1 (equivalent DIN VDE 0472 part 815)



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

Features:

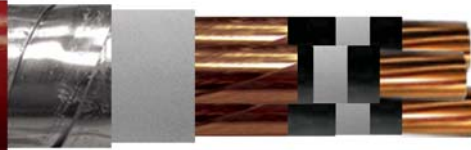
according to IEC 60502-2

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ELETTROTEK KABEL® RG7HI0NM1



3,6/6 kV (Um 7,2 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. *)
48070MR1030M61	3x10	36	1525	8
48070MR1030M62	3x16	37,5	1812	6
48070MR1030M63	3x25	40,5	2267	4
48070MR1030M64	3x35	43	2723	2
48070MR1030M65	3x50	46	3544	1
48070MR1030M66	3x70	49,5	4455	2/0
48070MR1030M67	3x95	53,5	4554	3/0
48070MR1030M68	3x120	57,5	6336	4/0
48070MR1030M69	3x150	60,5	7623	250 MCM
48070MR1030M70	3x185	64,5	9009	350 MCM
48070MR1030M71	3x240	70	11187	450 MCM
48070MR1030M72	3x300	76	13662	550 MCM
48070MR1030M73	3x400	82,5	16731	750 MCM

6/10 kV (Um 12 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. *)
48070QR1030M61	3x10	39,5	2607	8
48070QR1030M62	3x16	41,5	2965	6
48070QR1030M63	3x25	44,3	3453	4
48070QR1030M64	3x35	47,5	4040	2
48070QR1030M65	3x50	50	4617	1
48070QR1030M66	3x70	54,5	5622	2/0
48070QR1030M67	3x95	58,5	6746	3/0
48070QR1030M68	3x120	62	7831	4/0
48070QR1030M69	3x150	65,5	8965	250 MCM
48070QR1030M70	3x185	69	10408	350 MCM
48070QR1030M71	3x240	75,5	12756	450 MCM
48070QR1030M72	3x300	81,5	15258	550 MCM

12/20 kV (Um 24 kV)

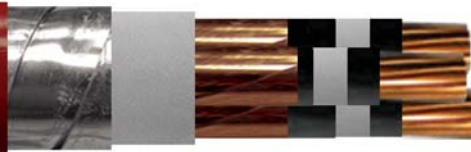
Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48070UR1030M64	3x35	58,3	5393	2
48070UR1030M65	3x50	61	6099	1
48070UR1030M66	3x70	65,5	7214	2/0
48070UR1030M67	3x95	69,5	8448	3/0
48070UR1030M68	3x120	73	9602	4/0
48070UR1030M69	3x150	76,5	10826	250 MCM
48070UR1030M70	3x185	80,5	12338	350 MCM
48070UR1030M71	3x240	86,8	14510	450 MCM
48070UR1030M72	3x300	93,5	17300	550 MCM

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ELETTROTEK KABEL® RG7H1ONM1



18/30 kV (Um 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. *)
48070XR1030M65	3x50	76	8210	1
48070XR1030M66	3x70	78	9460	2/0
48070XR1030M67	3x95	81	10810	3/0
48070XR1030M68	3x120	84,5	12080	4/0
48070XR1030M69	3x150	89	13420	250 MCM
48070XR1030M70	3x185	93	15070	350 MCM
48070XR1030M71	3x240	98	17550	450 MCM

26/45 kV (Um 52 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. *)
48070ZR1030M66	3x70	92,7	9157	2/0
48070ZR1030M67	3x95	95,6	10500	3/0
48070ZR1030M68	3x120	98,7	11980	4/0
48070ZR1030M69	3x150	100,3	12450	250 MCM
48070ZR1030M70	3x185	103,9	13990	350 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.