

INDUSTRIAL LOW VOLTAGE CABLES

RG26H1M16

acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, Cca-s1b, d1, a1



ELETTROTEK KABEL® RG26H1M16, Cca-s1b, d1, a1



Construction:

Conductor:	stranded red copper conductor Cl. 2, acc to IEC 60228
Inner semi-conductive layer:	extruded semi-conducting compound
Insulation:	rubber HEPR, type G26
Outer semi-conductive layer:	extruded semi-conducting compound
Screen:	red copper wires and one or two copper tape(s) applied helically, if necessary
Inner sheath:	non-fibrous and non-higroscopic filler compound, (if any)
Outer sheath:	red (RAL 3000), halogen-free compound, type M16

Technical data:

Nominal voltage:	U _o /U 12/20 kV, U _o /U 18/30 kV
Test voltage:	U _o /U 12/20 kV = 42 kV, U _o /U 18/30 kV = 63 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:	-20 °C* up to + 105 °C *(without mechanical shocks)
Max short circuit temperature:	up to + 300 °C
Min. installation temperature:	up to - 5 °C
Minimum bending radius:	12 x D
Max. tensile stress:	60 N/mm ²

Resistance:



Self-extinguishing and flame retardant acc. to:
IEC EN 60332-1-2,
EN 50399



Halogen-free acc. to:
IEC 60754-1



Corrosiveness of conflagration gases acc. to:
IEC 60754-2



Smoke density acc. to:
IEC 61034-2

Features:

according to IEC 60502
according to CPR UE 305/11, EN 50575:2014 + A1:2016, Cca-s1b, d1, a1
classification (CEI UNEL 35016), EN 13501-6
acc. to CEI UNEL 35334, HD 620, CEI 20-13
suitable for underground installation acc. to IEC/CEI 11/17 art.4.3.11
on request hydrocarbons resistance acc. to CEI 20-34/0-1

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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	Current carrying capacity at 20°C				AWG no. *)
				Trefoil formation in air A	Flat in air A	Trefoil formation in ground A	Flat in ground A	
48410URL010M63	1 x 25	25,1	920	175	203	166	172	4
48410URL010M64	1 x 35	25,8	1025	212	248	199	206	2
48410URL010M65	1 x 50	28,9	1183	253	297	235	244	1
48410URL010M66	1 x 70	30,1	1433	316	373	288	299	2/0
48410URL010M67	1 x 95	31,7	1723	385	455	345	358	3/0
48410URL010M68	1 x 120	33,4	2018	445	525	392	406	4/0
48410URL010M69	1 x 150	34,5	2335	506	595	440	454	250 MCM
48410URL010M70	1 x 185	36,7	2770	581	680	496	512	350 MCM
48410URL010M71	1 x 240	39,3	3365	688	802	574	591	450 MCM
48410URL010M72	1 x 300	42,5	4073	790	916	647	664	550 MCM
48410URL010M73	1 x 400	45,7	5063	914	1049	730	756	750 MCM
48410URL010M74	1 x 500	49,4	6175	1058	1208	828	848	1000 MCM
48410URL010M75	1 x 630	53,9	7713	1219	1379	927	940	1250 MCM

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	Current carrying capacity at 20°C				AWG no. *)
				Trefoil formation in air A	Flat in air A	Trefoil formation in ground A	Flat in ground A	
48410XRL010M64	1 x 35	32,6	1410	215	248	200	206	2
48410XRL010M65	1 x 50	34,0	1670	256	290	231	240	1
48410XRL010M66	1 x 70	34,4	1855	319	360	284	294	2/0
48410XRL010M67	1 x 95	35,3	2120	389	441	339	351	3/0
48410XRL010M68	1 x 120	36,3	2370	449	507	387	400	4/0
48410XRL010M69	1 x 150	37,4	2680	506	576	432	448	250 MCM
48410XRL010M70	1 x 185	38,7	3063	582	661	489	507	350 MCM
48410XRL010M71	1 x 240	40,4	3685	689	775	567	583	450 MCM
48410XRL010M72	1 x 300	43,4	4430	790	884	640	654	550 MCM
48410XRL010M73	1 x 400	46,3	5418	913	1020	725	740	750 MCM
48410XRL010M74	1 x 500	50,0	6585	1056	1174	820	835	1000 MCM
48410XRL010M75	1 x 630	54,4	8173	1210	1334	923	932	1250 MCM

Other dimensions and colours available on request.