

INDUSTRIAL MEDIUM VOLTAGE CABLES

RE4H1RFR (XLPE/CTS/PVC/AWA/PVC)



ELETTROTEK KABEL® RE4H1RFR

Construction:

Conductor:	stranded red copper conductor Cl.2, acc.to IEC 60228
Inner semi-conductive layer:	extruded semi-conducting compound
Insulation:	XLPE compound
Outer semi-conductive layer:	extruded semi-conducting compound
Screen:	red copper tape
Inner sheath:	PVC compound
Armour:	aluminium wires
Outer sheath:	red (RAL 3000), PVC type ST2

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1

Technical data:

Nominal voltage:	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
Test voltage:	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 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
Temperature range:	0 °C up to + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	14 x d

Features:

according to IEC 60502-2

3,6/6 kV (U_m 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. *)
48110MRL010M65	1x50	25,4	1140	1
48110MRL010M66	1x70	27,5	1380	2/0
48110MRL010M67	1x95	29	1700	3/0
48110MRL010M68	1x120	30,5	1970	4/0
48110MRL010M69	1x150	32	2280	250 MCM
48110MRL010M70	1x185	33,5	2660	350 MCM
48110MRL010M71	1x240	37	3410	450 MCM
48110MRL010M72	1x300	40	4130	550 MCM
48110MRL010M73	1x400	43,3	5060	750 MCM
48110MRL010M74	1x500	48,5	6480	900 MCM
48110MRL010M75	1x630	52,7	7900	1150 MCM

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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. *)
48110QRL010M65	1x50	27,3	1230	1
48110QRL010M66	1x70	29	1500	2/0
48110QRL010M67	1x95	31	1820	3/0
48110QRL010M68	1x120	32,5	2100	4/0
48110QRL010M69	1x150	34,8	2490	250 MCM
48110QRL010M70	1x185	36	2880	350 MCM
48110QRL010M71	1x240	39	3540	450 MCM
48110QRL010M72	1x300	41,5	4230	550 MCM
48110QRL010M73	1x400	44,3	5150	750 MCM
48110QRL010M74	1x500	49	6510	900 MCM
48110QRL010M75	1x630	53	7950	1150 MCM

8,7/15 kV (Um 17,5 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. *)
48110SRL010M65	1x50	29,7	1380	1
48110SRL010M66	1x70	31,6	1650	2/0
48110SRL010M67	1x95	34	2020	3/0
48110SRL010M68	1x120	35,5	2320	4/0
48110SRL010M69	1x150	37	2640	250 MCM
48110SRL010M70	1x185	38,5	3070	350 MCM
48110SRL010M71	1x240	41,5	3730	450 MCM
48110SRL010M72	1x300	44	4420	550 MCM
48110SRL010M73	1x400	48	5530	750 MCM
48110SRL010M74	1x500	51,3	6500	900 MCM
48110SRL010M75	1x630	55,5	8180	1150 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. *)
48110URL010M65	1x50	31,9	1510	1
48110URL010M66	1x70	33,5	1770	2/0
48110URL010M67	1x95	36	2170	3/0
48110URL010M68	1x120	37,5	2470	4/0
48110URL010M69	1x150	39	2800	250 MCM
48110URL010M70	1x185	40,5	3210	350 MCM
48110URL010M71	1x240	43,5	3890	450 MCM
48110URL010M72	1x300	47,3	4770	550 MCM
48110URL010M73	1x400	50	5710	750 MCM
48110URL010M74	1x500	53,5	6960	900 MCM
48110URL010M75	1x630	57,5	8410	1150 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	AWG no. *)
48110XRL010M65	1x50	38,2	1950	1
48110XRL010M66	1x70	39,8	2220	2/0
48110XRL010M67	1x95	41,7	2580	3/0
48110XRL010M68	1x120	43,2	2890	4/0
48110XRL010M69	1x150	46	3410	250 MCM
48110XRL010M70	1x185	47,9	3850	350 MCM
48110XRL010M71	1x240	50,3	4540	450 MCM
48110XRL010M72	1x300	52,9	5320	550 MCM
48110XRL010M73	1x400	56,5	6280	750 MCM
48110XRL010M74	1x500	60,1	7560	900 MCM
48110XRL010M75	1x630	-	9000	1150 MCM

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

Other dimensions and colours available on request.