

INDUSTRIAL LOW VOLTAGE CABLES

RE4(O)FR (XLPE/PVC/SWA/PVC)

Construction acc. to IEC 60502-1



ELETTROTEK KABEL® RE4OFR



Construction:

Conductor:	stranded red copper conductor Cl. 2, acc to IEC 60228
Insulation:	XLPE compound
Colour cores:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Inner sheath:	PVC compound
Armour:	steel wires (multi-core), aluminium wires (single-core)
Outer sheath:	black (RAL 9005), PVC compound

Resistance:



Flame retardant and self extinguishing acc. to:
DIN VDE 0482 part 266-2-4
EN 50266-2-4
IEC 60332-1-2

Technical data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 20 °C up to + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	8 x d

Features:

according to IEC 60502-1
on request 300/500 V

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46270G7L010M65	1x50	19,7	480	850	1
46270G7L010M66	1x70	21,6	672	1080	2/0
46270G7L010M67	1x95	23,2	912	1360	3/0
46270G7L010M68	1x120	25,0	1152	1630	4/0
46270G7L010M68	1x120	25,0	1152	1630	4/0
46270G7L010M69	1x150	26,8	1440	1940	250 MCM
46270G7L010M70	1x185	28,6	1776	2320	350 MCM
46270G7L010M71	1x240	32,8	2304	2920	450 MCM
46270G7L010M71	1x240	32,8	2304	2920	450 MCM
46270G7L010M72	1x300	34,2	2880	3580	550 MCM
46270G7L010M73	1x400	37,6	3840	4490	750 MCM
46270G7L010M74	1x500	41,5	4800	5630	1000 MCM
46270G7L010M75	1x630	45,8	6048	7140	1250 MCM

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Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46270G73020M15	2 x 1,5	12,3	28,8	300	16
46270G73020M25	2 x 2,5	13,6	48	360	14
46270G73020M40	2 x 4	14,7	76,8	420	12
46270G73020M60	2 x 6	15,9	115,2	500	10
46270G73020M61	2 x 10	18	192	650	8
46270G73020M62	2 x 16	20	307,2	910	6
46270G73020M63	2 x 25	24,1	480	1060	4
46270G73020M64	2 x 35	27,9	672	1480	2
46270G73020M65	2 x 50	25,8	960	1800	1
46270G73020M66	2 x 70	29	1344	2300	2/0
46270G73020M67	2 x 95	33,1	1824	3170	3/0
46270G73020M68	2 x 120	36,1	2304	3800	4/0
46270G73020M69	2 x 150	39,3	2880	4500	300 MCM
46270G73020M70	2 x 185	44,7	3552	5800	350 MCM
46270G73020M71	2 x 240	59	4608	7280	500 MCM
46270G73020M72	2 x 300	53,5	5760	8750	600 MCM
46270G73020M73	2 x 400	59	7680	10700	750 MCM
46270G72031M15	3 G 1,5	12,8	43,2	341	16
46270G72031M25	3 G 2,5	14,1	72	405	14
46270G72031M40	3 G 4	15,3	115,2	495	12
46270G72031M60	3 G 6	16,6	172,8	600	10
46270G72031M61	3 G 10	19,5	288	900	8
46270G72031M62	3 G 16	21,2	460,8	1080	6
46270G72031M63	3 G 25	26,7	720	1750	4
46270G72031M64	3 G 35	29,6	1008	2100	2
46270G72031M65	3 G 50	28,5	1440	2350	1
46270G72031M66	3 G 70	32,2	2016	3150	2/0
46270G72031M67	3 G 95	37	2736	4300	3/0
46270G72031M68	3 G 120	40,4	3456	5250	4/0
46270G72031M69	3G 150	45,5	4320	6720	300 MCM
46270G72031M70	3 G 185	49,8	5328	8040	350 MCM
46270G72031M71	3 G 240	55,1	6912	10150	500 MCM
46270G72031M72	3 G 300	60,2	8640	12320	600 MCM
46270G72031M73	3 G 400	66,6	11520	15090	750 MCM
46270G72041M15	4 G 1,5	13,5	57,6	390	16
46270G72041M25	4 G 2,5	15	96	465	14
46270G72041M40	4 G 4	16,4	153,6	579	12
46270G72041M60	4 G 6	18,7	230,4	820	10
46270G72041M61	4 G 10	21,1	384	1090	8
46270G72041M62	4 G 16	22,9	614,4	1400	6
46270G72041M63	4 G 25	28,9	960	2100	4
46270G72041M64	4 G 35	32	1344	2580	2
46270G72041M65	4 G 50	35,5	1920	3000	1
46270G72041M66	4 G 70	37,7	2688	4300	2/0
46270G72041M67	4 G 95	41,7	3648	5510	3/0
46270G72041M68	4 G 120	47,1	4608	7150	4/0
46270G72041M69	4 G 150	51,4	5760	8500	300 MCM
46270G72041M70	4 G 185	56,6	7104	10300	350 MCM
46270G72041M71	4 G 240	63	9216	13000	500 MCM
46270G72041M72	4 G 300	68,8	11520	15750	600 MCM
46270G72041M73	4 G 400	78,1	15360	20450	750 MCM

Other dimensions and colours available on request.

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46270G73050M15	5 x 1,5	14,2	72	433	16
46270G73050M25	5 x 2,5	16	120	530	14
46270G73050M40	5 x 4	18,4	192	775	12
46270G73050M60	5 x 6	19,7	288	929	10
46270G73050M61	5 x 10	23,2	480	1300	8
46270G73050M62	5 x 16	26,6	768	1880	6
46270G73050M63	5 x 25	31,7	1200	2670	4
46270G73050M64	5 x 35	33	1680	2800	2
46270G71060M15	6 x 1,5	15,2	86,4	497	16
46270G71060M25	6 x 2,5	17,1	144	609	14
46270G71060M40	6 x 4	19,7	230,4	886	12
46270G71060M60	6 x 6	21,3	345,6	1070	10
46270G71060M61	6 x 10	25,6	576	1650	8
46270G71060M62	6 x 16	28,8	921,6	2190	6
46270G71060M63	6 x 25	34,1	1440	3090	4
46270G71070M15	7 x 1,5	15,2	100,8	506	16
46270G71070M25	7 x 2,5	17,1	168	618	14
46270G71070M40	7 x 4	19,7	268,8	907	12
46270G71070M60	7 x 6	21,3	403,2	1110	10
46270G71070M61	7 x 10	25,6	672	1720	8
46270G71070M62	7 x 16	28,8	1075,2	2300	6
46270G71070M63	7 x 25	38,6	1680	3900	4
46270G71080M15	8 x 1,5	17,6	115,2	663	16
46270G71080M25	8 x 2,5	18,8	192	793	14
46270G71080M40	8 x 4	21,2	396,8	1030	12
46270G71080M60	8 x 6	24,1	460,8	1440	10
46270G71080M61	8 x 10	27,7	768	1960	8
46270G71100M15	10 x 1,5	19,8	144	812	16
46270G71100M25	10 x 2,5	21,4	240	989	14
46270G71100M40	10 x 4	25,1	384	1410	12
46270G71100M60	10 x 6	27,3	576	1680	10
46270G71100M61	10 x 10	31,5	960	2320	8
46270G71120M15	12 x 1,5	19,4	172,8	854	16
46270G71120M25	12 x 2,5	22,4	288	1080	14
46270G71120M40	12 x 4	27,7	460,8	1550	12
46270G71120M60	12 x 6	28	691,2	1920	10
46270G71120M61	12 x 10	32,3	1152	2660	8
46270G71160M15	16 x 1,5	21,9	230,4	1020	16
46270G71160M25	16 x 2,5	25	384	1430	14
46270G71160M40	16 x 4	29,1	614,4	1950	12
46270G71160M60	16 x 6	30,4	921,6	2300	10
46270G71190M15	19 x 1,5	23,2	273,6	1120	16
46270G71190M25	19 x 2,5	26,1	456	1570	14
46270G71190M40	19 x 4	29,3	729,6	2050	12
46270G71220M15	22 x 1,5	27,3	316,8	1560	16
46270G71220M25	22 x 2,5	29,7	528	1930	14
46270G71220M40	22 x 4	33,5	844,8	2530	12
46270G71270M15	27 x 1,5	27,9	388,8	1630	16
46270G71270M25	27 x 2,5	30,2	648	2050	14
46270G71270M40	27 x 4	34,2	1036,8	2740	12
46270G71300M15	30 x 1,5	28,5	432	1730	16
46270G71300M25	30 x 2,5	31,3	720	2200	14
46270G71370M15	37 x 1,5	30,6	532,8	1970	16
46270G71370M25	37 x 2,5	33,8	888	2540	14
46270G71370M40	37 x 4	39,6	1420,8	-	12
46270G71400M15	40 x 1,5	31,5	576	2080	16
46270G71400M25	40 x 2,5	35,9	960	2970	14
46270G71480M15	48 x 1,5	33,9	691,2	2390	16
46270G71480M25	48 x 2,5	38,8	1152	3430	14
46270G71480M40	48 x 4	44,6	1843,2	-	12

Other dimensions and colours available on request.