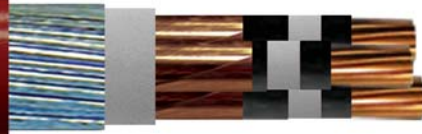


# INDUSTRIAL MEDIUM VOLTAGE CABLES

## RE4HI(O)RFR (XLPE/CTS/PVC/SWA/PVC)



ELETTROTEK KABEL® RE4HIORFR



### Construction:

<b>Conductor:</b>	stranded red copper conductor Cl.2, acc.to IEC 60228
<b>Inner semi-conductive layer:</b>	extruded semi-conducting compound
<b>Insulation:</b>	XLPE compound
<b>Outer semi-conductive layer:</b>	extruded semi-conducting compound
<b>Screen:</b>	red copper tape
<b>Inner sheath:</b>	PVC compound
<b>Armour:</b>	steel wires
<b>Outer sheath:</b>	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:

<b>Nominal voltage:</b>	U <sub>o</sub> /U 3,6/6 kV, U <sub>o</sub> /U 6/10 kV U <sub>o</sub> /U 8,7/15 kV, U <sub>o</sub> /U 12/20 kV, U <sub>o</sub> /U 18/30 kV
<b>Test voltage:</b>	U <sub>o</sub> /U 3,6/6 kV = 11 kV U <sub>o</sub> /U 6/10 kV = 17 kV U <sub>o</sub> /U 8,7/15 kV = 24 kV U <sub>o</sub> /U 12/20 kV = 29 kV U <sub>o</sub> /U 18/30 kV = 45 kV
<b>Max. operating voltage:</b>	U <sub>o</sub> /U 3,6/6 kV = U <sub>m</sub> 7,2 kV U <sub>o</sub> /U 6/10 kV = U <sub>m</sub> 12 kV U <sub>o</sub> /U 8,7/15 kV = U <sub>m</sub> 17,5 kV U <sub>o</sub> /U 12/20 kV = U <sub>m</sub> 24 kV U <sub>o</sub> /U 18/30 kV = U <sub>m</sub> 36 kV
<b>Temperature range:</b>	0 °C up to + 90 °C
<b>Max short circuit temperature:</b>	+ 250 °C
<b>Min. bending radius:</b>	14 x d

### Features:

according to IEC 60502-2

3,6/6 kV (U<sub>m</sub> 7,2 kV)

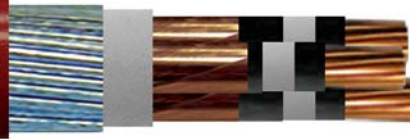
Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. (*)
48110MR1030M64	3x35	44	4210	2
48110MR1030M65	3x50	48	5300	1
48110MR1030M66	3x70	52	6330	2/0
48110MR1030M67	3x95	55,5	7590	3/0
48110MR1030M68	3x120	59	8710	4/0
48110MR1030M69	3x150	62,5	9920	250 MCM
48110MR1030M70	3x185	66	11450	350 MCM
48110MR1030M71	3x240	73	13620	450 MCM
48110MR1030M72	3x300	81	17400	550 MCM

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ELETTROTEK KABEL® RE4H1ORFR



### 6/10 kV (Um 12 kV)

Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
48110QR1030M64	3x35	49,5	5220	2
48110QR1030M65	3x50	52,3	5940	1
48110QR1030M66	3x70	56	6980	2/0
48110QR1030M67	3x95	60	8290	3/0
48110QR1030M68	3x120	63,5	9490	4/0
48110QR1030M69	3x150	67,3	10790	250 MCM
48110QR1030M70	3x185	70,5	11900	350 MCM
48110QR1030M71	3x240	78	15300	450 MCM

### 8,7/15 kV (Um 17,5 kV)

Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
48110SR1030M64	3x35	52	3500	2
48110SR1030M65	3x50	54	4000	1
48110SR1030M66	3x70	58	4800	2/0
48110SR1030M67	3x95	62	5900	3/0
48110SR1030M68	3x120	66	6950	4/0
48110SR1030M69	3x150	70	8000	250 MCM
48110SR1030M70	3x185	74	9500	350 MCM

### 12/20 kV (Um 24 kV)

Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
48110UR1030M64	3x35	54	6790	2
48110UR1030M65	3x50	56,3	7570	1
48110UR1030M66	3x70	59,6	8720	2/0
48110UR1030M67	3x95	64	9790	3/0
48110UR1030M68	3x120	68	11830	4/0
48110UR1030M69	3x150	71,5	13170	250 MCM
48110UR1030M70	3x185	74,5	14900	350 MCM

### 18/30 kV (Um 36 kV)

Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
48110XR1030M65	3x50	75,6	10290	1
48110XR1030M66	3x70	79,5	11600	2/0

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

Other dimensions and colours available on request.