

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 |
| Insulation: | XLPE 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: | 3,6/6 kV, 6/10 kV 8,7/15 kV, 12/20 kV 18/30 kV |
| Test voltage: | 3,6/6 kV = 11 kV 12/20 kV= 29 kV 6/10 kV = 17 kV 18/30 kV = 45 kV 8,7/15 kV = 24 kV |
| Temperature range: | 0 °C / + 90 °C |
| Max short circuit temperature: | + 250 °C |
| Min. bending radius: | 14 x d |

Features:

according to IEC 60502-2

3,6/6 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.*) |
|----------------|---|---------------------------|----------------------------------|--------------|
| 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 |

6/10 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 |

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8,7/15 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

| 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

| 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.