

# INDUSTRIAL LOW VOLTAGE CABLES

## FS17

acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, Cca-s3, d1, a3



ELETTROTEK KABEL® FS17, Cca-s3, d1, a3

### Construction:

- Conductor:** flexible red copper conductor Cl.5, acc. to IEC 60228
- Outer sheath:** black (RAL 9005), PVC, type S17, for the other coloration, see technical data (PAG.370)

### Resistance:



**Flame / Fire retardant and self-extinguishing acc.to:**  
DIN VDE 0482 part 265-2-1,  
IEC EN 60332-1-2,  
EN 50399



**Corrosiveness of conflagration gases acc. to:**  
DIN VDE 0482 part 267  
EN 50267-2-2  
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

### Technical data:

- Nominal voltage:** U<sub>0</sub>/U 450/750 V
- Max. voltage:** U<sub>m</sub> 1 kV  
(for fixed and protected installation)
- Test voltage:** 3 kV
- Temperature range:** - 10 °C / + 70 °C
- Max short circuit temperature:** + 160 °C
- Min. bending radius:** D ≤ 8 8 < D ≤ 12 12 < D ≤ 20 D > 20
- Fixed laying:* 3D 3D 4D 4D
- Flexible application:* 5D 5D 6D 6D

### Features:

- IEC EN 60332-1-2, EN 50399
- according to CPR UE 305/11, EN 50575:2014 + A1:2016, Cca-s3, d1, a3
- classification (CEI UNEL 35016), EN 13501-6
- acc. to CEI UNEL 35716, 35016

Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
31850E01010M10	1x1	3	9,6	18,7	18
31850E01010M15	1x1,5	3,4	14,4	24,4	16
31850E01010M25	1x2,5	4,1	24	37,4	14
31850E01010M40	1x4	4,8	38,4	53,7	12
31850E01010M60	1x6	5,3	57,6	74,4	10
31850E01010M61	1x10	6,8	96	126,2	8
31850E01010M62	1x16	8,5	153,6	186,1	6
31850E01010M63	1x25	10,2	240	283,3	4
31850E01010M64	1x35	11,7	336	381	2
31850E01010M65	1x50	13,9	480	534,3	1
31850E01010M66	1x70	16	672	715	2/0
31850E01010M67	1x95	18,2	912	961,3	3/0
31850E01010M68	1x120	20,2	1152	1202,4	4/0
31850E01010M69	1x150	22,5	1440	1504,7	250 MCM
31850E01010M70	1x185	24,9	1776	1906,2	350 MCM
31850E01010M71	1x240	28,4	2304	2386,1	450 MCM

Other dimensions and colours available on request.