

# CONTROL AND CONNECTION CABLES

## GAALFLEX® CONTROL H05Z-K GAALFLEX® CONTROL H07Z-K

Halogen free, insulated single conductor 300/500 V and 450/750 V



ELETTROTEK KABEL® H05Z-K

### Construction:

**Conductor:** flexible red copper conductor Cl.5, acc.to IEC 60228, DIN VDE 0295  
**Outer sheath:** black (RAL 9005), XLPO type EI5 for the other coloration, see technical data (PAG.468)

### Technical data:

#### Nominal voltage

H05Z-K: U<sub>0</sub>/U 300/500 V

H07Z-K: U<sub>0</sub>/U 450/750 V

#### Test voltage

H05Z-K: 2 kV acc.to DIN VDE 0281 part 2 + HD 21.2

H07Z-K: 2,5 kV acc.to DIN VDE 0281 part 2 + HD 21.2

**Temperature range:** - 40 °C / + 90 °C

**Min. bending radius:** 8 x d

### Resistance:



**Flame retardant and Self-extinguishing acc. to:**  
DIN VDE 0482 part 332-1-2  
IEC 60332-1-2



**Halogen free acc. to:**  
DIN VDE 0482 part.267-2  
EN 50267-2-1  
IEC 60754-1



**Smoke density acc. to:**  
IEC 61034-1-2

### Features:

Halogen-free  
flexible conductor  
harmonized acc. to European standards  
<HAR> H05Z-K, H07Z-K  
according to DIN VDE 0282-9  
RoHS and CE approval



### H05Z-K

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.*)
31490D01010M05	0,5	2,3	4,8	9	20
31490D01010M07	0,75	2,4	7,2	12,4	19
31490D01010M10	1	2,6	9,6	15	18

### H07Z-K

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.*)
31490E01010M15	1,5	3	14,4	24	16
31490E01010M25	2,5	3,7	24	35	14
31490E01010M40	4	4,3	38	51	12
31490E01010M60	6	5	58	71	10
31490E01010M61	10	6,3	96	118	8
31490E01010M62	16	7,5	154	180	6
31490E01010M63	25	9,5	240	278	4
31490E01010M64	35	10,5	336	375	2
31490E01010M65	50	12,5	480	560	1
31490E01010M66	70	14,5	672	750	2/0
31490E01010M67	95	16	912	990	3/0
31490E01010M68	120	18	1152	1238	4/0
31490E01010M69	150	19,8	1440	1540	250 MCM
31490E01010M70	185	22	1776	1886	350 MCM
31490E01010M71	240	25	2304	2412	450 MCM

Other dimensions and colors available on request.