

# HELUTRAIN® 4GKW-AXplus

Train-Cable, robust special single core,  
halogen-free, 1,8/3kV, meter marking



HELUTRAIN 4GKW-AXplus 1x6QMM / 1,8/3kV WT915100V 001136143

new



## Technical data

- **Temperature range**  
Fixed installation: -60 °C to +120 °C  
Flexing: -35 °C to +90 °C  
Short circuit: +200 °C
- **Nominal voltage**  
U<sub>0</sub>/U AC 1,8/3 kV  
U<sub>0</sub>/U DC 2,7 kV
- **Test voltage**  
6,5 kV AC
- **Minimum bending radius**  
< 10 mm fixed installation > 5 x D  
flexing > 7 x D  
> 10 mm fixed installation > 6 x D  
flexing > 8 x D

## Cable structure

- Tinned copper conductor, fine wire stranded according to DIN VDE 0295 cl. 5, BS 6360 cl. 5 or IEC 60228 cl. 5
- Core insulation of crosslinked polyolefin copolymer
- Outer jacket cross linked Elastomer
- Jacket colour: black

## Properties

### Tests

- **Flame test** to VDE 0482 part 266-2, BS 4066 part 3/ DIN EN 50266-2/ IEC 60332-3 (conforms to DIN VDE 0472 Teil 804 test method C)
- **Flame retardant** to DIN VDE 0482-331-1-2, DIN EN 60332-1-2, IEC 60332-1
- **Corrosiveness of combustion gases** to VDE 0482 part 267/ DIN EN 50267-2-2/ IEC 60754-2 (conforms to DIN VDE 0472 part 813)
- **Halogen-free** to VDE 0482 part 267/ DIN EN 50267-2-1/ IEC 60754-1 (conforms to DIN VDE 0472 part 815)
- **Smoke density** to VDE 0482 part 268-1 u. 2, test method C, IEC 61034-1/61034-2, HD 606 and BS 7622 part 1 and 2 (conforms to DIN VDE 0472 part 816)
- **No toxic gases** (EN 50305)
- **Oil- and gasoline resistant** to EN 50305
- **Ozon resistant** to EN 50305
- **Low fire load** (DIN 51900)
- **No fluor** (EN 60684-2)
- High voltage resistance and mechanical influences in rough environmental conditions
- Resistant to mechanical influences in rough environmental conditions
- Good chemical durability with simultaneous high fire safety
- Reduction of toxic combustion gases and the spread of the fire source in case of fire increases protection against personal injury and property damage
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

## Application

For fixed installation inside and outside of unprotected rail cars and buses. For connecting fixed and moving parts. Suitable for wiring of switchboards, distribution boards, power converters, electrical panels and blocks, resistor and brake blocks.

Part no.	No. cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
59262	1 x 1,5	3,6	14,4	24,0	-
59263	1 x 2,5	4,0	24,0	34,0	-
59264	1 x 4	4,9	38,4	53,0	-
59265	1 x 6	5,5	57,6	74,0	-
59266	1 x 10	6,5	96,0	118,0	-
59267	1 x 16	8,7	153,6	182,0	-
59268	1 x 25	10,2	240,0	274,0	-
59269	1 x 35	11,5	336,0	379,0	-

Part no.	No. cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
59312	1 x 50	13,6	480,0	536,0	-
59313	1 x 70	16,0	672,0	729,0	-
59314	1 x 95	17,5	912,0	960,0	-
59315	1 x 120	20,0	1152,0	1203,0	-
59316	1 x 150	22,0	1440,0	1464,0	-
59317	1 x 185	24,1	1776,0	1802,0	-
59318	1 x 240	26,8	2304,0	2348,0	-

Dimensions and specifications may be changed without prior notice. (RK01)