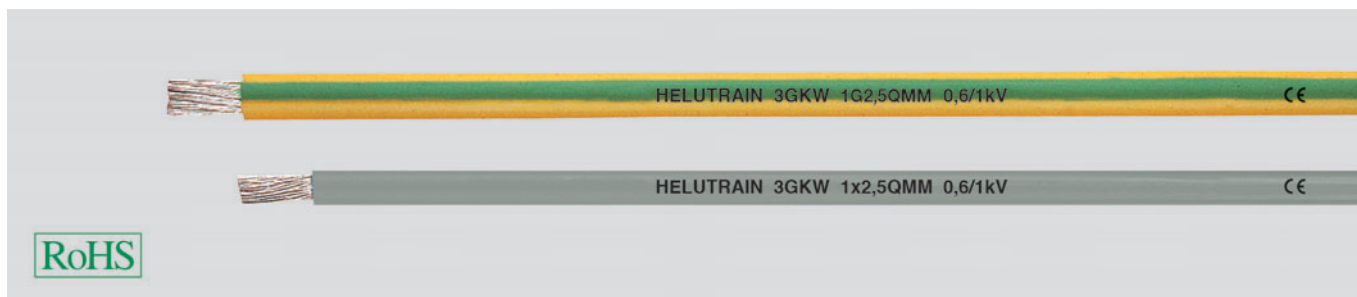


HELUTRAIN® 3GKW Train-Cable, robust special single core, halogen-free, 0,6/1kV, meter marking

new



Technical data

- Temperature resistant special-insulated wire
- **Temperature range**
flexing -35 °C to +90 °C
fixed installation -45 °C to +120 °C
- **Short-circuit temperature**
+250 °C
- **Nominal voltage**
U₀/U 0,6/1 kV (AC)
U₀/U 0,9/1,8 kV (DC)
- **Test voltage**
3,5 kV
- **Minimum bending radius**
fixed installation for cable ø
to 10 mm 3 x cable ø
> 10 mm 4 x cable ø
flexing for cable ø
to 10 mm 5 x cable ø
> 10 mm 6 x cable ø

Cable structure

- Tinned copper, fine wire conductors, conform to DIN VDE 0295 cl. 5 and IEC 60228 cl. 5
- Core insulation from Polyolefin Copolymer, cross-linked
- Colour grey or green-yellow

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)
- **Oil- and gasoline resistant** to EN 50305
- **Ozon resistant** to EN 50305
- **Low fire load** (DIN 51900)
- **No fluor** (EN 60684-2)
- 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

HELUTRAIN® 3 GKW train cable are Halogen-free and suitable for fixed and protected installation in rough environmental conditions inside and outside of rail vehicles. For connecting fixed and moving parts. Due to the flexibility and the small outer diameter suitable for fixed installation in small bending radii.

=The product conforms to the EG Low-Voltage Directive 2006/95/EG.

Core colour grey

Part no.	No. cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
59114	1 x 0,5	2,0	4,8	9,0	-
59115	1 x 0,75	2,2	7,2	12,0	-
59116	1 x 1	2,4	9,6	14,0	-
59117	1 x 1,5	2,7	14,4	21,0	-
59118	1 x 2,5	3,4	24,0	31,0	-
59119	1 x 4	3,9	38,4	46,0	-
59126	1 x 6	4,6	57,6	68,0	-
59127	1 x 10	5,5	96,0	111,0	-
59128	1 x 16	7,1	154,0	166,0	-
59129	1 x 25	8,6	240,0	250,0	-
59130	1 x 35	9,8	336,0	350,0	-
59131	1 x 50	12,0	480,0	500,0	-
59132	1 x 70	14,2	672,0	690,0	-
59133	1 x 95	15,6	912,0	940,0	-
59134	1 x 120	17,6	1152,0	1180,0	-
59135	1 x 150	20,3	1440,0	1460,0	-

Core colour green-yellow

Part no.	No. cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
53762	1 x 0,5	2,0	4,8	9,0	-
53763	1 x 0,75	2,2	7,2	12,0	-
53764	1 x 1	2,4	9,6	14,0	-
53765	1 x 1,5	2,7	14,4	21,0	-
53766	1 x 2,5	3,4	24,0	31,0	-
53767	1 x 4	3,9	38,4	46,0	-
53768	1 x 6	4,6	57,6	68,0	-
53769	1 x 10	5,5	96,0	111,0	-
53770	1 x 16	7,1	154,0	166,0	-
53771	1 x 25	8,6	240,0	250,0	-
53772	1 x 35	9,8	336,0	350,0	-
53773	1 x 50	12,0	480,0	500,0	-
53774	1 x 70	14,2	672,0	690,0	-
53775	1 x 95	15,6	912,0	940,0	-
53776	1 x 120	17,6	1152,0	1180,0	-
53777	1 x 150	20,3	1440,0	1460,0	-

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