



HELUKABEL <VDE> <HAR> C€ E192384 CSA SJT 17/3 FT 2

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Technical data

- PVC control cable to DIN VDE 0285-525-2-11/ DIN EN 50525-2-11 IEC 60227-5 and UL-Std.62 and CSA 22.2 No. 49
- **Temperature range**
HAR
flexing -5°C to +70°C
fixed installation -40°C to +70°C
UL/CSA
flexing -5°C to +60°C
fixed installation -40°C to +60°C
- **Nominal voltage**
HAR U₀/U 300/500 V
UL/CSA 300 V
- **Test voltage** 2500 V, 5 min.
- **Breakdown voltage** min. 5000 V
- **Spark-Test** 6000 V
- **Insulation resistance**
min. 20 MOhm x km
- **Minimum bending radius**
7,5x cable Ø
- **Radiation resistance**
up to 80x10⁶ cJ/kg (up to 80 Mrad)

Cable structure

- Bare copper-conductor, fine-wire with AWG dimensions to UL-Std.62
- Core insulation of special PVC, compound type TI2 acc. to DIN VDE 0207-363-3/ DIN EN 50363-3 and class 43 acc. to UL-Std.62 (tab.50.182, UL-Std.1581) acc. to CSA C22.2 No 49 type SJT
- Core identification acc. to DIN VDE 0293-308 one coloured
- GN-YE conductor, 3 cores and above
- Core stranded with optimal lay-length
- Outer sheath of PVC, compound type TM2 to DIN VDE 0207-363-4-1/DIN EN 50363-4-1 and class 43 acc. to UL-Std.62 (tab. 50.182, UL-Std.1581) acc. to CSA-Std. C 22.2 No 49 type SJT
- Sheath colour black, white or grey

Properties

- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Tests

- PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B), CSA FT2

Application

These flexible PVC control cables, VDE-HAR-UL-CSA approved, are designed for the export and also for the export-orientated-equipment. These cables are especially suited to use for the appliance with medium mechanical stresses with free movement without tensile stress in households, kitchens and offices, also for household appliances in damp and wet areas, e. g. refrigerators, washing machines, spin-driver etc. , as far as this cable is admitted to the relevant specifications of the equipment. These cables are suited to be used for cooking and heating apparatus under the condition that cable does not come in direct contact with hot parts of the apparatus and no other influences or heat. The cables are suitable for fixed installation in furnitures, partition walls, decoration covering and in hollow spaces of prefabricated building parts. They are not suitable for use in open air, in industries (also permitted to tailor workshops and of that kind) and in agriculture plants and for connecting commercial electrical tools.

C€= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part no.	Cross-section mm ²	No.cores x AWG-No.	Sheath colour	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
28034	1,04	2 x 17	black	7,4	20,0	86,0
28066	1,04	2 x 17	grey	7,4	20,0	86,0
28050	1,04	2 x 17	white	7,4	20,0	86,0
28035	1,04	3 x 17	black	7,9	30,0	98,0
28067	1,04	3 x 17	grey	7,9	30,0	98,0
28051	1,04	3 x 17	white	7,9	30,0	98,0
28036	1,04	4 x 17	black	8,8	40,0	123,0
28068	1,04	4 x 17	grey	8,8	40,0	123,0
28052	1,04	4 x 17	white	8,8	40,0	123,0
28037	1,04	5 x 17	black	9,6	50,0	146,0
28069	1,04	5 x 17	grey	9,6	50,0	146,0
28053	1,04	5 x 17	white	9,6	50,0	146,0
28038	1,65	2 x 15	black	8,1	31,7	106,0
28070	1,65	2 x 15	grey	8,1	31,7	106,0
28054	1,65	2 x 15	white	8,1	31,7	106,0
28039	1,65	3 x 15	black	8,7	47,5	128,0
28071	1,65	3 x 15	grey	8,7	47,5	128,0
28055	1,65	3 x 15	white	8,7	47,5	128,0
28040	1,65	4 x 15	black	9,8	63,4	164,0
28072	1,65	4 x 15	grey	9,8	63,4	164,0
28056	1,65	4 x 15	white	9,8	63,4	164,0
28041	1,65	5 x 15	black	10,8	79,2	201,0
28073	1,65	5 x 15	grey	10,8	79,2	201,0
28057	1,65	5 x 15	white	10,8	79,2	201,0

Part no.	Cross-section mm ²	No.cores x AWG-No.	Sheath colour	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
28042	2,63	2 x 13	black	9,5	50,5	150,0
28074	2,63	2 x 13	grey	9,5	50,5	150,0
28058	2,63	2 x 13	white	9,5	50,5	150,0
28043	2,63	3 x 13	black	10,2	75,7	184,0
28075	2,63	3 x 13	grey	10,2	75,7	184,0
28059	2,63	3 x 13	white	10,2	75,7	184,0
28044	2,63	4 x 13	black	11,2	101,0	229,0
28076	2,63	4 x 13	grey	11,2	101,0	229,0
28060	2,63	4 x 13	white	11,2	101,0	229,0
28045	2,63	5 x 13	black	12,5	126,2	281,0
28077	2,63	5 x 13	grey	12,5	126,2	281,0
28061	2,63	5 x 13	white	12,5	126,2	281,0
28046	4,17	2 x 11	black	10,8	80,1	204,0
28078	4,17	2 x 11	grey	10,8	80,1	204,0
28062	4,17	2 x 11	white	10,8	80,1	204,0
28047	4,17	3 x 11	black	11,6	120,1	254,0
28079	4,17	3 x 11	grey	11,6	120,1	254,0
28063	4,17	3 x 11	white	11,6	120,1	254,0
28048	4,17	4 x 11	black	12,8	160,1	315,0
28080	4,17	4 x 11	grey	12,8	160,1	315,0
28064	4,17	4 x 11	white	12,8	160,1	315,0
28049	4,17	5 x 11	black	14,4	200,2	393,0
28081	4,17	5 x 11	grey	14,4	200,2	393,0
28065	4,17	5 x 11	white	14,4	200,2	393,0

Dimensions and specifications may be changed without prior notice. (RN01)