

# H05VV-F/SJT 300V, according to DIN VDE 0281 and

UL 62



## Technical data

- PVC control cable to DIN VDE 0281 part 5 and part 2, IEC 60227-5, HD 21.5 S3 and UL-Std. 62 and CSA 22.2 No. 49
- **Temperature range**  
flexing -5°C to +70°C  
fixed installation -40°C to +70°C
- **Nominal voltage**  
DIN VDE 0281 =  $U_0/U$  300/500 V  
UL 62 =  $U$  300 V  
CSA =  $U$  300 V
- **Test voltage** 2500 V, 5 min.
- **Breakdown voltage** min. 5000 V
- **Spark-Test** 6000 V
- **Insulation resistance**  
min. 20 MΩm x km
- **Minimum bending radius**  
approx. 7,5x cable Ø
- **Radiation resistance**  
up to 80x10<sup>6</sup> cJ/kg (up to 80 Mrad)

## Cable construction

- Bare copper, fine wire stranded conductor to DIN VDE 0295 cl. 5, BS 6360 cl. 5, IEC 60228 cl. 5, HD 383 and UL-Std. 62
- PVC insulation T12 to DIN VDE 0281 part 1 and class 43 to UL-Std. 62 (Table 50.182, UL-Std. 1581) according to CSA-Std. C 22.2 No 49 Type SJT
- Core identification according to colour code DIN VDE 0293-308, one coloured
- Green-yellow earth core, 3 cores and above
- Core stranded with optimal lay-length
- PVC outer jacket TM2 to DIN VDE 0281 part 1 and class 43 to UL-Std. 62 (Table 50.182, UL-Std. 1581) according to CSA-Std. C 22.2 No 49 Type SJT
- Jacket colour black, white or grey
- Imprint on the outer jacket: e.g.  
**HELUKABEL E 192384 (UL) SJT xxxx VW-1/ LL 113926 CSA SJT 60°C FT1**

## Properties

- PVC self-extinguishing and flame retardant according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

## Note

- G = with green-yellow earth core;  
x = without green-yellow earth core.

## 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.

CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

Part No.	No. cores x cross-sec. mm <sup>2</sup>	AWG-no.	Jacket colour	Outer ø ca. mm	Cop. weight ca. kg / km	Weight ca. kg / km
28034	2 x 1	18	black	7,2	19,2	56,0
28066	2 x 1	18	grey	7,2	19,2	56,0
28050	2 x 1	18	white	7,2	19,2	56,0
28035	3 G 1	18	black	7,6	28,8	73,0
28067	3 G 1	18	grey	7,6	28,8	73,0
28051	3 G 1	18	white	7,6	28,8	73,0
28036	4 G 1	18	black	8,6	38,4	86,0
28068	4 G 1	18	grey	8,6	38,4	86,0
28052	4 G 1	18	white	8,6	38,4	86,0
28037	5 G 1	18	black	9,4	48,0	105,0
28069	5 G 1	18	grey	9,4	48,0	105,0
28053	5 G 1	18	white	9,4	48,0	105,0
28038	2 x 1,5	16	black	7,6	28,8	82,0
28070	2 x 1,5	16	grey	7,6	28,8	82,0
28054	2 x 1,5	16	white	7,6	28,8	82,0
28039	3 G 1,5	16	black	8,3	44,0	96,0
28071	3 G 1,5	16	grey	8,3	44,0	96,0
28055	3 G 1,5	16	white	8,3	44,0	96,0
28040	4 G 1,5	16	black	9,3	58,0	117,0
28072	4 G 1,5	16	grey	9,3	58,0	117,0
28056	4 G 1,5	16	white	9,3	58,0	117,0
28041	5 G 1,5	16	black	10,4	72,0	144,0
28073	5 G 1,5	16	grey	10,4	72,0	144,0
28057	5 G 1,5	16	white	10,4	72,0	144,0

Part No.	No. cores x cross-sec. mm <sup>2</sup>	AWG-no.	Jacket colour	Outer ø ca. mm	Cop. weight ca. kg / km	Weight ca. kg / km
28042	2 x 2,5	14	black	9,2	48,0	118,0
28074	2 x 2,5	14	grey	9,2	48,0	118,0
28058	2 x 2,5	14	white	9,2	48,0	118,0
28043	3 G 2,5	14	black	10,0	72,0	152,0
28075	3 G 2,5	14	grey	10,0	72,0	152,0
28059	3 G 2,5	14	white	10,0	72,0	152,0
28044	4 G 2,5	14	black	10,9	96,0	192,0
28076	4 G 2,5	14	grey	10,9	96,0	192,0
28060	4 G 2,5	14	white	10,9	96,0	192,0
28045	5 G 2,5	14	black	12,2	120,0	243,0
28077	5 G 2,5	14	grey	12,2	120,0	243,0
28061	5 G 2,5	14	white	12,2	120,0	243,0
28046	2 x 4	12	black	10,6	76,8	195,0
28078	2 x 4	12	grey	10,6	76,8	195,0
28062	2 x 4	12	white	10,6	76,8	195,0
28047	3 G 4	12	black	11,5	115,0	235,0
28079	3 G 4	12	grey	11,5	115,0	235,0
28063	3 G 4	12	white	11,5	115,0	235,0
28048	4 G 4	12	black	12,4	154,0	300,0
28080	4 G 4	12	grey	12,4	154,0	300,0
28064	4 G 4	12	white	12,4	154,0	300,0
28049	5 G 4	12	black	14,1	192,0	361,0
28081	5 G 4	12	grey	14,1	192,0	361,0
28065	5 G 4	12	white	14,1	192,0	361,0

Dimensions and specifications may be changed without prior notice.