

H05VV-F/UL VDE-HAR-UL 500 V to DIN VDE 0281 and UL-Style 20195



Technical data

- PVC-control cables to DIN VDE 0281 part 5 and part 2, IEC 60227-5, HD 21.5 S3 and UL-Subj. 758 AWM-Style 20195
- **Temperature range**
flexing - 5°C to +70°C
fixed installation -40°C to +70°C
- **Nominal voltage**
DIN VDE 0281 U₀/U 300/500 V
UL-Style 20195 U₀/U 300/500 V
- **Test voltage** 2500 V
- **Insulation resistance**
min. 20 MOhm x km
- **Minimum bending radius**
ca. 75 x cable Ø
- **Radiation resistance**
up to 80x10⁶ cJ/kg (up to 80 Mrad)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers.

Cable structure

- Bare copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 5, IEC 60228 cl. 5 and HD 383
- PVC core insulation TI2 to DIN VDE 0281 part 1
- Cores colour coded to DIN VDE 0293
- Green-yellow earth core, 3 cores and above
- Cores stranded in layers with optimal lay-length
- PVC outer jacket, colour by request
- PVC outer jacket, TM2 to DIN VDE 0281 part 1
- Imprint on the outer jacket: e.g. HELUKABEL <VDE> <HAR> H05VV-F xGxx **CE** E170315 **UL** AWM-STYLE 20195 75C 300/500 V VW-1
- PVC self-extinguishing and flame retardant, test method B according to VDE 0472 part 804, IEC 60332-1 and HD 405.1

Application

These flexible PVC control cables, VDE-HAR-AWM 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 EG Low Voltage Directive 73/23/EEC and 93/68/EEC.

Part No.	No. cores x cross-sec. mm ²	Outer Ø ca. mm	Cop. weight kg/km	Weight ca. kg/km	AWG-no.*)
3269	2 x 0,75	6,4	14,4	50	18
3270	3 G 0,75	6,8	21,6	60	18
3271	4 G 0,75	7,4	29,0	73	18
3272	5 G 0,75	8,3	36,0	88	18
3273	2 x 1	6,8	19,0	57	17
3274	3 G 1	7,2	29,0	73	17
3275	4 G 1	8,0	38,0	85	17
3276	5 G 1	8,8	48,0	105	17

Part No.	No. cores x cross-sec. mm ²	Outer Ø ca. mm	Cop. weight kg/km	Weight ca. kg/km	AWG-no.*)
3277	2 x 1,5	7,6	29,0	82	16
3278	3 G 1,5	8,2	43,0	95	16
3279	4 G 1,5	9,2	58,0	117	16
3280	5 G 1,5	9,3	72,0	144	16
3281	3 G 2,5	10,1	72,0	152	14
3282	4 G 2,5	11,2	96,0	192	14
3283	5 G 2,5	12,4	120,0	243	14

G = with green-yellow earth core
X = without green-yellow earth core

PVC cables will be changed to lead free PVC successively.

ca. RAL	9005 black	9003 white	5015 blue	6018 green	8003 brown	1021 yellow	3000 red	2003 orange	4005 violet	7001/7032 grey
Colour code	0	1	2	3	4	5	6	7	8	9

*) Note

AWG sizes are approximate equivalent values.
The actual cross-section is in mm² – see page T 15.

Please add the individual part no. for order with the identification colour code.
Further colours on request.