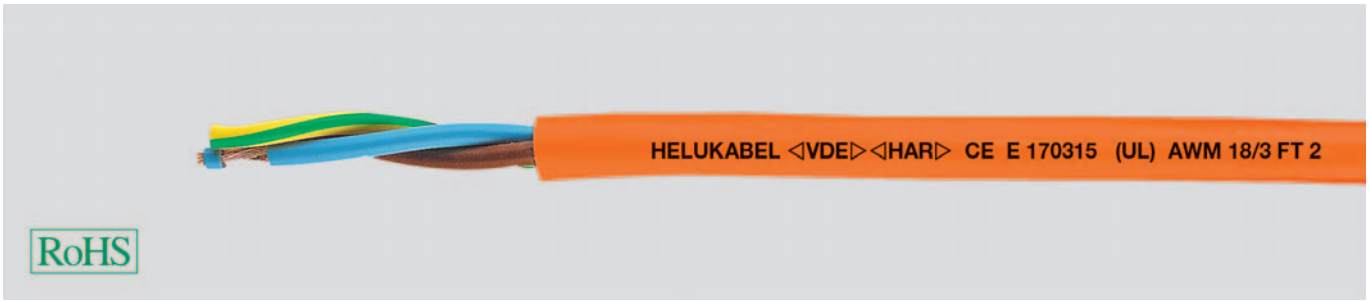
H05VV-F/UL 500 V



Technical data

- PVC control cable to DIN VDE 0285-525-2-11/ DIN EN 50525-2-11, IEC 60227-5 and UL-Std. 758 AWM-Style 20195
- **Temperature range**
  HAR
  flexing -5°C to +70°C
  fixed installation -40°C to +70°C
  UL
  flexing -5°C to +75°C
  fixed installation -40°C to +75°C
- **Nominal voltage**
  HAR U_0/U 300/500 V
  UL U_0/U 300/500 V
- **Test voltage** 2500 V
- **Breakdown voltage** min. 5000 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, fine wire to DIN VDE 0295 cl.5, BS 6360 cl.5, IEC 60228 cl.5 acc. to UL-Std.62
- Core insulation of special PVC compound type TI2 to DIN VDE 0207-363-3 / DIN EN 50363-3
- Core identification to DIN VDE 0293-308, one coloured
- Core stranded in layers with optimal lay-length
- GN-YE conductor, 3 cores and above
- Outer sheath of special PVC compound type TM2 to DIN VDE 0207-363-4-1/DIN EN 50363-4-1
- Sheath colour by request

Properties

- PVC self-extinguishing and flame retardant acc. to VDE 0482-332-1-2, DIN EN 60332-1-2/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 conductor
  x = without green-yellow conductor
- AWG sizes are approximate equivalent
- values. The actual cross-section is in mm².
- Please complete the part number for these cables by adding the suffix for the colour required as per the list:
  0 = approx.RAL 9005 black
  1 = approx.RAL 9003 white
  2 = approx.RAL 5015 blue
  3 = approx.RAL 6018 green
  4 = approx.RAL 8003 brown
  5 = approx.RAL 1021 yellow
  6 = approx.RAL 3000 red
  7 = approx.RAL 2003 orange
  8 = approx.RAL 4005 violet
  9 = approx.RAL 7001/7032 grey
  Further colours on request.

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 EC Low-Voltage Directive 2006/95/EC.

Part no.	No.cores x cross-sec. mm²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
3269x	2 x 0,75	18	6,4	14,4	50,0
3270x	3 G 0,75	18	6,8	21,6	60,0
3271x	4 G 0,75	18	7,4	29,0	73,0
3272x	5 G 0,75	18	8,3	36,0	88,0
3273x	2 x 1	17	7,3	19,0	57,0
3274x	3 G 1	17	7,8	29,0	73,0
3275x	4 G 1	17	8,6	38,0	85,0
3276x	5 G 1	17	9,4	48,0	105,0
3277x	2 x 1,5	15	7,9	29,0	82,0
3278x	3 G 1,5	15	8,4	43,0	95,0

Part no.	No.cores x cross-sec. mm²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
3279x	4 G 1,5	15	9,3	58,0	117,0
3280x	5 G 1,5	15	10,4	72,0	144,0
3281x	3 G 2,5	13	10,0	72,0	152,0
3282x	4 G 2,5	13	10,9	96,0	192,0
3283x	5 G 2,5	13	12,2	120,0	243,0

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

Suitable accessories can be found in Chapter X.
• Cable Gland - HELUTOP® HT-PA
• Cable Gland - HELUTOP® HT-MS