



## Technical data

- PVC-control cables to DIN VDE 0281 part 5 and IEC 60227-5, HD 21.5 S3
- **Temperature range**  
flexing -5 °C to +70 °C  
fixed installation -40 °C to +70 °C
- **Nominal voltage**  
U<sub>0</sub>/U 300/500 V
- **Max. permissible operating voltage**  
in three-phase and one-phase  
a.c. system U<sub>0</sub>/U 318/550 V  
in direct current system  
U<sub>0</sub>/U 413/825 V
- **Test voltage** 2000 V
- **Breakdown voltage**  
min. 4000 V
- **Insulation resistance**  
min. 20 MΩm x km
- **Minimum bending radius**  
flexing 7,5x cable ø
- **Radiation resistance**  
up to 80x10<sup>6</sup> cJ/kg (up to 80 Mrad)

## Cable structure

- Bare copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 5, BS 6360 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 0293-308 1x green-yellow earth core incl.
- Green-yellow earth core, 3 cores and above
- Cores stranded in layers with optimal lay-length
- PVC outer jacket in white or black
- PVC outer jacket TM2 to DIN VDE 0281 part 1

## Properties

- PVC self-extinguishing and flame retardant according 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 earth core; x = without green-yellow earth core.
- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.
- These types are also available with UL-approbation.
- The above list contains a selection of the types we carry es stock. Other sizes available on request.
- Cables with 7 cores are only available as "A"-type.
- 6 mm<sup>2</sup> in adaption (H).

## Application

These cables are especially suited to use for the appliance with medium mechanical 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 of heat.

The cables are suitable for fixed installation in furnitures, partition walls, decoration covering and in hollow spaces of prefabricated building parts.

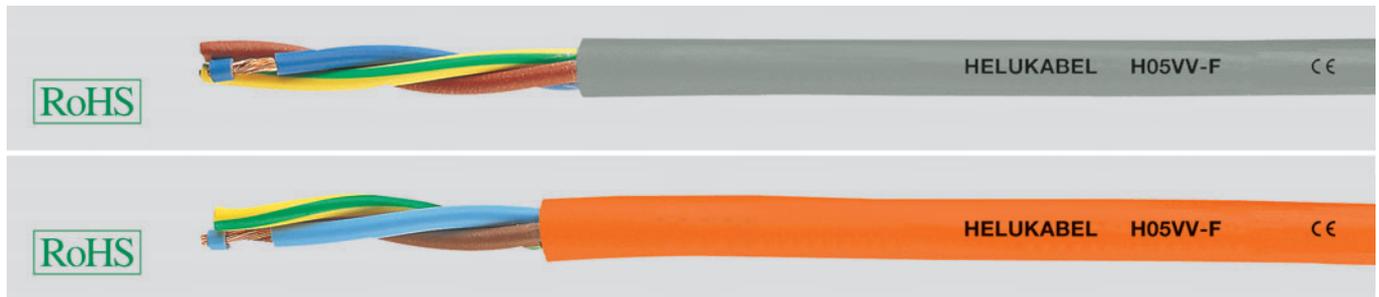
They are not qualified for use in outdoors or for use with industrial and farmer machineries, exceptionally in tailoring, etc.

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

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Jacket colour	Outer Ø min. - max. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
29450	2 x 0,75	black	5,7 - 7,2	14,4	50,0	18
29451	2 x 0,75	white	5,7 - 7,2	14,4	50,0	18
29452	3 G 0,75	black	6,0 - 7,6	21,6	60,0	18
29453	3 G 0,75	white	6,0 - 7,6	21,6	60,0	18
29454	4 G 0,75	black	6,6 - 8,3	29,0	73,0	18
29455	4 G 0,75	white	6,6 - 8,3	29,0	73,0	18
29456	5 G 0,75	black	7,4 - 9,3	36,0	88,0	18
29457	5 G 0,75	white	7,4 - 9,3	36,0	88,0	18
29458	2 x 1	black	5,9 - 7,5	19,0	57,0	17
29459	2 x 1	white	5,9 - 7,5	19,0	57,0	17
29460	3 G 1	black	6,3 - 8,0	29,0	73,0	17
29461	3 G 1	white	6,3 - 8,0	29,0	73,0	17
29462	4 G 1	black	7,1 - 9,0	38,0	85,0	17
29463	4 G 1	white	7,1 - 9,0	38,0	85,0	17
29464	5 G 1	black	7,8 - 9,8	48,0	105,0	17
29465	5 G 1	white	7,8 - 9,8	48,0	105,0	17
29466	7 G 1	black	9,3 - 12,0	67,0	131,0	17
29467	7 G 1	white	9,3 - 12,0	67,0	131,0	17
29484	2 x 1,5	black	6,8 - 8,6	29,0	82,0	16
29485	2 x 1,5	white	6,8 - 8,6	29,0	82,0	16
29468	3 G 1,5	black	7,4 - 9,4	43,0	95,0	16
29469	3 G 1,5	white	7,4 - 9,4	43,0	95,0	16
29470	4 G 1,5	black	8,4 - 10,5	58,0	117,0	16
29471	4 G 1,5	white	8,4 - 10,5	58,0	117,0	16
29472	5 G 1,5	black	9,3 - 11,6	72,0	144,0	16
29473	5 G 1,5	white	9,3 - 11,6	72,0	144,0	16

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Jacket colour	Outer Ø min. - max. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
29474	7 G 1,5	black	10,8 - 13,5	101,0	183,0	16
29475	7 G 1,5	white	10,8 - 13,5	101,0	183,0	16
29478	3 G 2,5	black	9,2 - 11,4	72,0	152,0	14
29479	3 G 2,5	white	9,2 - 11,4	72,0	152,0	14
29480	4 G 2,5	black	10,1 - 12,5	96,0	192,0	14
29481	4 G 2,5	white	10,1 - 12,5	96,0	192,0	14
29482	5 G 2,5	black	11,2 - 13,9	120,0	243,0	14
29483	5 G 2,5	white	11,2 - 13,9	120,0	243,0	14
29486	7 G 2,5	black	13,0 - 17,0	168,0	316,0	14
29487	7 G 2,5	white	13,0 - 17,0	168,0	316,0	14
29825	3 G 4	black	10,5 - 13,1	115,0	235,0	12
29826	3 G 4	white	10,5 - 13,1	115,0	235,0	12
29488	4 G 4	black	11,5 - 14,3	154,0	300,0	12
29489	4 G 4	white	11,5 - 14,3	154,0	300,0	12
29490	5 G 4	black	13,0 - 16,1	192,0	361,0	12
29491	5 G 4	white	13,0 - 16,1	192,0	361,0	12
29492	4 G 6	black	13,2 - 16,3	230,0	490,0	10
29493	4 G 6	white	13,2 - 16,3	230,0	490,0	10

Dimensions and specifications may be changed without prior notice. (RA01)



## Technical data

- PVC-control cables to DIN VDE 0281 part 5 and IEC 60227-5, HD 21.5 S3
- **Temperature range**  
flexing -5 °C to +70 °C  
fixed installation -40 °C to +70 °C
- **Nominal voltage**  $U_0/U$  300/500 V
- Max. permissible **operating voltage** in three-phase and one-phase a.c. system  $U_0/U$  318/550 V in direct current system  $U_0/U$  413/825 V
- **Test voltage** 2000 V
- **Breakdown voltage**  
min. 4000 V
- **Insulation resistance**  
min. 20 MΩm x km
- **Minimum bending radius**  
flexing 7,5x cable ø
- **Radiation resistance**  
up to  $80 \times 10^6$  cJ/kg (up to 80 Mrad)

## Cable structure

- Bare copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 5, BS 6360 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 0293-308
- Green-yellow earth core, 3 cores and above
- Cores stranded in layers with optimal lay-length
- PVC outer jacket TM2 to DIN VDE 0281 part 1
- Jacket colour in accordance to the customer

## Properties

- PVC self-extinguishing and flame retardant according 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 earth core; x = without green-yellow earth core.
- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.
- **Colour code:**  
0 = blue (approx. RAL 5015)  
1 = green (approx. RAL 6018)  
2 = brown (approx. RAL 8003)  
3 = yellow (approx. RAL 1021)  
4 = red (approx. RAL 3000)  
5 = orange (approx. RAL 2003)  
6 = violet (approx. RAL 4005)  
7 = grey (approx. RAL 7001/7032)  
8 = gold  
9 = dusty gold
- Please add the individual part no. for order with the identification colour code. Further colours on request.

## Application

These cable are especially suited to use for the appliance with medium mechanical 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 of 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 qualified for use in outdoors or for use with industrial and farmer machineries, exceptionally in tailoring, etc.

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

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø min. - max. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.	Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø min. - max. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
3011_	2 x 0,75	5,7 - 7,2	14,4	50,0	18	3020_	2 x 1,5	6,8 - 8,6	29,0	82,0	16
3012_	3 G 0,75	6,0 - 7,6	21,6	60,0	18	3021_	3 G 1,5	7,4 - 9,4	43,0	95,0	16
3013_	4 G 0,75	6,6 - 8,3	29,0	73,0	18	3022_	4 G 1,5	8,4 - 10,5	58,0	117,0	16
3014_	5 G 0,75	7,4 - 9,3	36,0	88,0	18	3023_	5 G 1,5	9,3 - 11,6	72,0	144,0	16
3015_	2 x 1	5,9 - 7,5	19,0	57,0	17	3024_	3 G 2,5	9,2 - 11,4	72,0	152,0	14
3016_	3 G 1	6,3 - 8,0	29,0	73,0	17	3025_	4 G 2,5	10,1 - 12,5	96,0	192,0	14
3017_	4 G 1	7,1 - 9,0	38,0	85,0	17	3026_	5 G 2,5	11,2 - 13,9	120,0	243,0	14
3018_	5 G 1	7,8 - 9,8	48,0	105,0	17						

Dimensions and specifications may be changed without prior notice. (RA01)