



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 80×10^6 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
- PVC outer jacket, colour by request

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 mm².
- **Colour code:**
0 = RAL 5015, blue
1 = RAL 6018, green
2 = RAL 8003, brown
3 = RAL 1021, yellow
4 = RAL 3000, red
5 = RAL 2003, orange
6 = RAL 4005, violet
7 = RAL 7001/7032, grey
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 ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.	Part No.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
3011_	2 x 0,75	6,4	14,4	50,0	18	3020_	2 x 1,5	7,6	29,0	82,0	16
3012_	3 G 0,75	6,8	21,6	60,0	18	3021_	3 G 1,5	8,2	43,0	95,0	16
3013_	4 G 0,75	7,4	29,0	73,0	18	3022_	4 G 1,5	9,2	58,0	117,0	16
3014_	5 G 0,75	8,3	36,0	88,0	18	3023_	5 G 1,5	9,3	72,0	144,0	16
3015_	2 x 1	6,8	19,0	57,0	17	3024_	3 G 2,5	10,1	72,0	152,0	14
3016_	3 G 1	7,2	29,0	73,0	17	3025_	4 G 2,5	11,2	96,0	192,0	14
3017_	4 G 1	8,0	38,0	85,0	17	3026_	5 G 2,5	12,4	120,0	243,0	14
3018_	5 G 1	8,8	48,0	105,0	17						

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