



Technical data

- PVC-control cables to DIN VDE 0285-525-2-11 / DIN EN 50525-2-11 and IEC 60227-5
- **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 MOhm 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-conductor, to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5
- Core insulation of PVC compound type T12 to DIN VDE 0207-363-3 / DIN EN 50363-3
- Core identification to DIN VDE 0293-308
- up to 5 cores coloured
- from 6 cores, black with continuous white numbering
- GN-YE conductor, 3 cores and above
- Cores stranded in layers with optimal lay-length
- Outer sheath of PVC compound type TM2 to DIN VDE 0207-363-4-1/DIN EN 50363-4-1
- Sheath colour by request

Properties

- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Tests

- PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

Note

- G = with green-yellow conductor
x = without green-yellow conductor
- Please complete the part number for these cables by adding the suffix for the colour required as per the list:
0 = approx.RAL 5015 blue
1 = approx.RAL 6018 green
2 = approx.RAL 8003 brown
3 = approx.RAL 1021 yellow
4 = approx.RAL 3000 red
5 = approx.RAL 2003 orange
6 = approx.RAL 4005 violet
7 = approx.RAL 7001/7032 grey
8 = gold
9 = dusty gold
Further colours on request.
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

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/EC.

Part no.	No. cores x cross-sec. mm ²	Outer Ø min. - max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
3011x	2 x 0,75	5,7 - 7,2	14,4	50,0	19
3012x	3 G 0,75	6,0 - 7,6	21,6	60,0	19
3013x	4 G 0,75	6,6 - 8,3	29,0	73,0	19
3014x	5 G 0,75	7,4 - 9,3	36,0	88,0	19
3015x	2 x 1	5,9 - 7,5	19,0	57,0	18
3016x	3 G 1	6,3 - 8,0	29,0	73,0	18
3017x	4 G 1	7,1 - 9,0	38,0	85,0	18
3018x	5 G 1	7,8 - 9,8	48,0	105,0	18

Part no.	No. cores x cross-sec. mm ²	Outer Ø min. - max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
3020x	2 x 1,5	6,8 - 8,6	29,0	82,0	16
3021x	3 G 1,5	7,4 - 9,4	43,0	95,0	16
3022x	4 G 1,5	8,4 - 10,5	58,0	117,0	16
3023x	5 G 1,5	9,3 - 11,6	72,0	144,0	16
3024x	3 G 2,5	9,2 - 11,4	72,0	152,0	14
3025x	4 G 2,5	10,1 - 12,5	96,0	192,0	14
3026x	5 G 2,5	11,2 - 13,9	120,0	243,0	14

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