



Technical data

- Switchboard cable according to DIN VDE 0813
- **Temperature range**
during operation
-5°C to +50°C
before and after installation
-30°C to +70°C
- **Electrical characteristics**
according to VDE 0813 at 20°C
- **Conductor resistance**
0,5 mm - max. 96 Ohm/km
0,6 mm - max. 65 Ohm/km
1,0 mm - max. 23,4 Ohm/km
- **Nominal voltage**
0,5 mm - max. 375 V
0,6 mm - max. 375 V
1,0 mm - max. 400 V
- **Test voltage** core/core
0,5 mm - 2000 V
0,6 mm - 2500 V
1,0 mm - 2500 V
- **Insulation resistance**
min. 100 MOhm x km
- Min. permissible **bending radius**
according to DIN VDE 0891 part 3
during operation max. 7,5x cable Ø

Cable structure

- Bare copper conductor, solid PVC core insulation, Y1 to DIN VDE 0207 part 4
- Core identification to DIN VDE 0813
- Cores stranded in layers
- Core wrapping with plastic tape
- PVC outer jacket, YM1 to DIN VDE 0207 part 5
- Jacket colour grey (RAL 7032)

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

Application

In DIN VDE 0800 the operational areas are defined, where the application of switchboard cables permit. These are preferred for the transmission of data signals of telecommunication and control processings i. e. in interlocking installations, to connect the outdoor cables with relay groups as well as for fixed installation to interconnect the racks and distributor frames. This type is not allowed for the installation of heavy current operation.

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

Part No.	No. cores x cond Ø mm	Outer Ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
34300	30 x 1 x 0,5	9,6	59,0	128,0
34301	60 x 1 x 0,5	11,9	118,0	233,0
34302	10 x 1 x 0,6	7,9	28,0	98,0
34303	20 x 1 x 0,6	9,6	57,0	132,0
34304	30 x 1 x 0,6	11,1	85,0	183,0
34305	60 x 1 x 0,6	15,4	170,0	344,0
34306	80 x 1 x 0,6	18,3	226,0	445,0
34307	20 x 1 x 1,0	14,5	157,0	292,0
34308	24 x 1 x 1,0	15,2	188,0	328,0
34309	32 x 1 x 1,0	16,3	251,0	430,0
34310	40 x 1 x 1,0	17,8	314,0	515,0
34311	60 x 1 x 1,0	22,2	471,0	710,0

Dimensions and specifications may be changed without prior notice. (RP01)