

H05VV-F

Flexible cables, color coded cores, white or black PVC jacket



Cable structure

- Stranded bare copper conductor according to DIN VDE 0295 and IEC 60228 cl. 5 and HD 383
- Special PVC core insulation, cores stranded in layers with optimal lay-length
- Color coded cores according to DIN VDE 0293, from 7 cores and more black with white numbering
- Green-yellow earth core (3 cores and more)
- Black or white PVC outer jacket according to DIN VDE 0207 part 5
- PVC self-extinguishing and flame retardant, according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1

Technical data

- PVC control cables according to DIN VDE 0281 part 5 and IEC 60227-5, HD 21.5 S3
- **Temperature range:** flexing from -5 °C to +70 °C
fixed from -40 °C to +70 °C
- **Nominal voltage** U_0/U 300/500 V
- **Max. permissible operating voltage**
in three-phase and single-phase
a.c. system U_0/U 330/550 V
in direct current system U_0/U 495/825 V
- **Test voltage a.c.** 2000 V
- **Minimum bending radius** approx. 7,5× cable diameter
- **Radiation resistance** up to 80×10^6 cJ/kg (up to 80 Mrad)

Application

These types of cables are designed for medium mechanical stress (washing machines etc.), as connecting cables in households as well as office appliances. The cables can be used for ovens, fans and heaters but direct contact with hot surfaces must be avoided. The cables are also suitable for moist areas.

Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC.
Conforms to RoHS.
Other jacket colors available on request.

Part No.	Number of cores × core cross-section [mm ²]	Color	Approx. outer Ø [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0129450	2 × 0,75	sw	6,4	14,4	50
0129451	2 × 0,75	ws	6,4	14,4	50
0129452	3 G 0,75	sw	6,8	21,6	60
0129453	3 G 0,75	ws	6,8	21,6	60
0129454	4 G 0,75	sw	7,4	28,8	73
0129455	4 G 0,75	ws	7,4	28,8	73
0129456	5 G 0,75	sw	8,3	36,0	88
0129457	5 G 0,75	ws	8,3	36,0	88
0129458	2 × 1	sw	6,8	19,2	57
0129459	2 × 1	ws	6,8	19,2	57
0129460	3 G 1	sw	7,2	29,0	73
0129461	3 G 1	ws	7,2	29,0	73
0129462	4 G 1	sw	8,0	38,4	85
0129463	4 G 1	ws	8,0	38,4	85
0129464	5 G 1	sw	8,8	48,0	105
0129465	5 G 1	ws	8,8	48,0	105

Part No.	Number of cores × core cross-section [mm ²]	Color	Approx. outer Ø [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0129484	2 × 1,5	sw	7,6	29,0	82
0129485	2 × 1,5	ws	7,6	29,0	82
0129468	3 G 1,5	sw	8,2	43,0	95
0129469	3 G 1,5	ws	8,2	43,0	95
0129470	4 G 1,5	sw	9,2	58,0	117
0129471	4 G 1,5	ws	9,2	58,0	117
0129472	5 G 1,5	sw	9,3	72,0	144
0129473	5 G 1,5	ws	9,3	72,0	144
0129478	3 G 2,5	sw	10,1	72,0	152
0129479	3 G 2,5	ws	10,1	72,0	152
0129480	4 G 2,5	sw	11,2	96,0	192
0129481	4 G 2,5	ws	11,2	96,0	192
0129482	5 G 2,5	sw	12,4	120,0	243
0129483	5 G 2,5	ws	12,4	120,0	243
0129488	4 G 4	sw	12,5	154,0	300
0129489	4 G 4	ws	12,5	154,0	300
0129490	5 G 4	sw	13,7	192,0	361
0129491	5 G 4	ws	13,7	192,0	361