

Cables 300/500 V

H05VV5-F



Description

These cables are indicated for indoor use, mobile services, signals and service connection in tool machines. The sheath of these cables has excellent resistance properties to abrasion, humidity, impact as well as to mineral oils for general use. Reference Standards: UNE-EN 50525-2-51, EN 50525-2-51

Applications

Suitable for the following installations:

- Indoor or receiver installations
- Indoor installations in housing.
- Premises that contain a bath or shower
- Installations in premises with special characteristics
- Installations with special purposes.
- Provisional and temporary works installations
- Electrical installations in furnishings

Technical Characteristics

1. Conductor	Flexible electrolytic copper conductor (Class V) according to BS EN 60228:2005 (previously BS6360) and UNE 60228.
2. Insulation	PVC insulation, type TI-2, according to UNE 21031-13 and HD 21.13S1:1995/A1:2001.
3. Sheath	PVC sheath type TM-5, oil resistant, according to UNE 21031 y HD 21.13S1:1995/A1:2001.
Nominal voltage	300/500 V
Test voltage	2.000 V A.C.
Maximum temperature	70 °C

Other characteristics

Mineral oil-resistant cable according to UNE-EN 60811, EN 60811 and IEC 60811

Colours according to UNE 21089 and HD 303S2 (colour marking when less than five conductors) and UNE-EN 50334 y EN 50334 (inscription marking when more than five conductors)

Non-flame propagating according to UNE-EN 60332-1-2, EN 60332-1-2 and IEC 60332-1-2

Dimensions

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
2x0,75	26	5,95	48
2x1	19,5	6,45	58
3G0,75	26	6,25	49
3G1	19,5	6,45	58
3G1,5	13,3	7,45	77
3G2,5	7,98	9,35	125
3G16	1,21	18,30	588
4x0,75	26	6,60	59
4x1	19,5	7,05	71
4x1,5	13,3	8,40	100
4x2,5	7,98	10,40	163
5x0,75	26	7,65	83
5x1	19,5	7,90	95
5x1,5	13,3	9,40	138
5x2,5	7,98	11,40	202
5x6	3,3	14,40	403
5x16	1,21	22,75	986
6x0,75	26	8,35	101
6x1	19,5	8,80	117
7x0,75	26	9,00	124
7x1	19,5	9,50	146

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
7x1,5	13,3	11,30	211
7x2,5	7,98	13,60	307
7x4	4,95	14,70	410
7x6	3,3	16,65	552
8x1	19,5	9,50	151
10x1	19,5	12,00	178
10x1,5	13,3	12,55	255
12x0,75	26	11,00	203
12x1	19,5	11,80	244
12x1,5	13,3	13,60	326
14x1	19,5	12,05	269
16x1	19,5	12,80	309
18x1,5	13,3	16,50	436
19x0,75	26	12,45	297
19x1	19,5	13,70	367
24x1	19,5	15,40	473
25x1	19,5	15,40	463
30x0,75	26	15,40	479
30x1	19,5	18,00	635
37x0,75	26	16,85	573
37x1	19,5	18,70	740