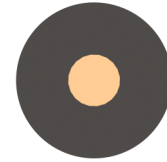
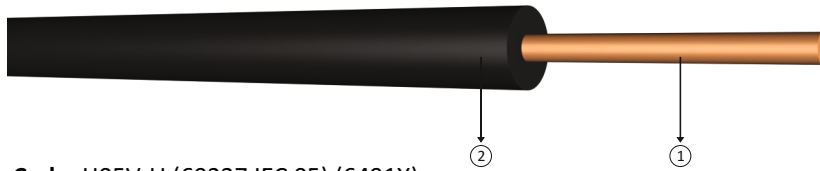


PVC Insulated, single core cables with copper conductor



Code: H05V-U (60227 IEC 05) (6491X)
 H07V-U (60227 IEC 01) (6491X)
 H07V-R (60227 IEC 01) (6491X)

U: Solid Conductor
 R: Stranded Conductor Rigid

Standards: EN 50525-2-31, DIN EN 50525-2-31(VDE 0285-525-2-31), IEC 60227, BS EN 50525-2-31, SI 60227 Part 3

Technical Data

Max. operating temperature : 70 °C
 Max. short circuit temperature : 160 °C (max. 5 sec.)
 Rated voltage : 300/500 V
 450/750 V

Application

In dry rooms, switch and distribution boards, for laying in conduit on and under plaster and on insulating supports above plaster.

RE : Single conductor wire
 RM : Stranded Conductor

* : 300/500 V (H05V - U, 60227 IEC 05, 6491x)

Construction

- 1 Solid or stranded copper conductor 2 PVC insulation

DIMENSION AND WEIGHTS			ELECTRICAL PROPERTIES			
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A)	
mm ²	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
0,5 * RE	2,1	8	100	36,0	-	9
0,75 * RE	2,3	11	100	24,5	-	15
1,0 * RE	2,5	14	100	18,1	11	19
1,5RE	2,8	20	100	12,1	15	24
2,5RE	3,3	31	100	7,41	20	32
4RE	3,8	46	100	4,61	25	42
6RE	4,3	65	100	3,08	33	54
10RE	5,6	108	100	1,83	45	73
10RM	6,0	111	100	1,83	45	73
16RM	7,0	170	1000	1,15	61	98
25RM	8,5	260	1000	0,727	83	129
35RM	9,5	355	1000	0,524	103	158
50RM	11,0	490	1000	0,387	132	198
70RM	13,0	694	1000	0,268	165	245
95RM	15,0	938	1000	0,193	197	292
120RM	16,5	1172	1000	0,153	235	344
150RM	18,0	1465	1000	0,124	-	391
185RM	20,0	1808	1000	0,0991	-	448
240RM	23,0	2343	1000	0,0754	-	528