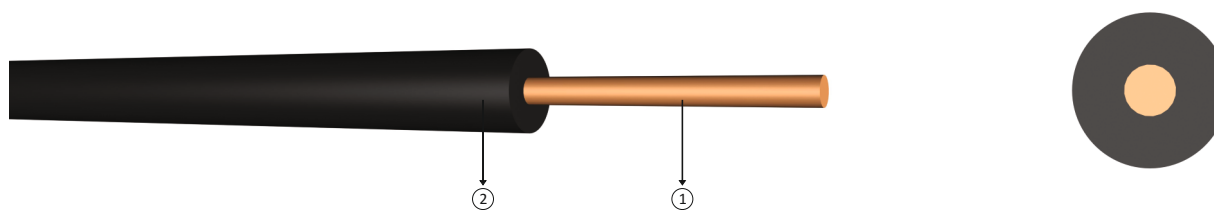


PVC Insulated, single core cables with copper conductor



Code: H05V2-U (60227 IEC 07), H07V2-U, H07V2-R

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 : 90 °C
 Max. short circuit temperature : 250 °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 (H05V2 - U, 60227 IEC 07)

Construction

- ① Solid or stranded copper conductor ② PVC insulation (90°C)

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	-	12
0,75 * RE	2,3	11	100	24,5	-	18
1,0 * RE	2,5	14	100	18,1	12	22
1,5RE	2,8	20	100	12,1	17	26
2,5RE	3,3	31	100	7,41	22	35
4RE	3,8	46	100	4,61	28	46
6RE	4,3	65	100	3,08	36	59
10RE	5,6	108	100	1,83	50	80
10RM	6,0	111	100	1,83	50	80
16RM	7,0	170	1000	1,15	67	108
25RM	8,5	260	1000	0,727	91	142
35RM	9,5	355	1000	0,524	113	174
50RM	11,0	490	1000	0,387	145	218
70RM	13,0	694	1000	0,268	182	270
95RM	15,0	938	1000	0,193	217	321
120RM	16,5	1172	1000	0,153	259	378
150RM	18,0	1465	1000	0,124	-	430
185RM	20,0	1808	1000	0,0991	-	493
240RM	23,0	2343	1000	0,0754	-	581