

450/750 V

PVC INSULATED NON-SHEATHED SINGLE CORE CABLES WITH COPPER CONDUCTOR



H07V-U H07V-R(HAR)

Code	H07V-U, H07V-R (TSE) , NYA (VDE)
Standarts	TS EN 50525-2-31, VDE 0281, BS 6004, IEC 60227
Construction	Copper conductor, PVC insulation
Application	In dry rooms, switch and distribution boards, for laying in conduit on and under plaster and on insulated supports above plaster.
Technical Datas	Max. Operating temperature 70 °C Short circuit temperature Cross section $\leq 300 \text{ mm}^2$ 160 °C Cross section $> 300 \text{ mm}^2$ 140 °C

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Standart delivery lenght	Conductor DC (maks.) resistance at 20 °C	Current carrying capacity in	
					Conduit (A)	Air (A)
mm ²	mm	kg/km	m	ohm/km		
*0.75 re	2,2	11	100	24,5	-	15
*1.0 re	2,3	13	100	18,1	11	19
1.5 re	2,8	18	100	12,1	14	24
2.5 re	3,4	29	100	7,41	19	32
4 re	3,8	45	100	4,61	26	42
6 re	4,3	60	100	3,08	34	54
10 rm	5,9	105	100	1,83	46	73
16 rm	7,0	160	100	1,15	61	98
25 rm	8,5	250	100	0,727	80	129
35 rm	9,5	350	1000	0,524	99	158
50 rm	11,0	450	1000	0,387	119	198
70 rm	13,0	650	1000	0,268	151	245
95 rm	15,0	900	1000	0,193	182	292
120 rm	16,0	1140	1000	0,153	210	344
150 rm	18,0	1380	1000	0,124	-	391
185 rm	20,0	1760	1000	0,0991	-	448
240 rm	23,0	2250	1000	0,0754	-	528
300 rm	26,0	2930	1000	0,0601	-	608
400 rm	29,0	3750	1000	0,0470	-	726

re : Single-wire conductor

rm : Stranded conductor