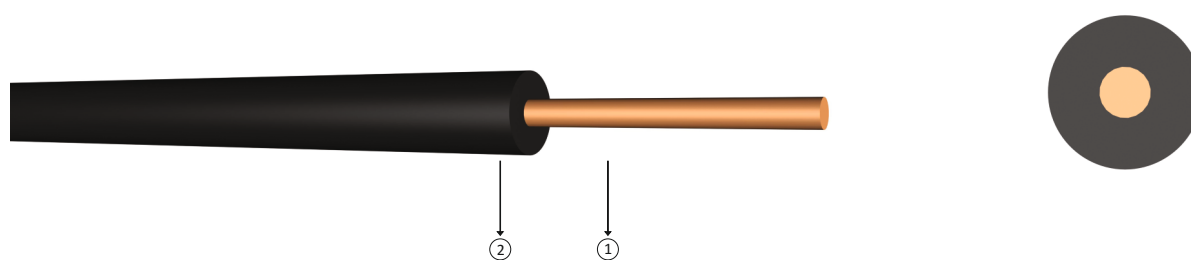


300/500V and 450/750V halogen free, flame retardant, single core cables with copper conductor



Code: H05Z1-U, H07Z1-U, H07Z1-R

U: Solid conductor
R: Stranded Conductor Rigid

Standards: HD 21 15 S1, EN 50525 - 3 - 31

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 Used in energy networks in refineries, mines, hotels, schools, tunnels, high constructions, hospitals, power plant, data processing centers, business centers where there is a risk of fire.

RE : Solid conductor (H07Z1-U)
RM : Stranded conductor (H07Z1-R)
* : 300/500 V (H05Z1 - U)

Construction

- ① Solid or stranded copper conductor ② HFFR 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	2,0	8	100	36,0	-	-
* 0,75 RE	2,2	11	100	24,5	-	15
* 1,0 RE	2,4	14	100	18,1	11	19
1,5 RE	2,6	20	100	12,1	16	24
2,5 RE	3,2	32	100	7,41	20	32
4,0 RE	3,9	46	100	4,61	27	42
6,0 RE	4,4	65	100	3,08	35	54
10 RE	5,6	108	100	1,83	48	73
10 RM	6,1	115	100	1,83	48	73
16 RM	6,8	170	1000	1,15	65	98
25 RM	8,8	260	1000	0,727	88	129
35 RM	9,8	355	1000	0,524	110	158
50 RM	11,0	500	1000	0,387	140	198
70 RM	13,2	680	1000	0,268	175	245
95 RM	15,0	930	1000	0,193	210	292
120 RM	17,0	1170	1000	0,153	250	344
150 RM	18,0	1450	1000	0,124	-	391
185 RM	21,0	1850	1000	0,0991	-	448
240 RM	23,0	2350	1000	0,0754	-	528
300 RM	25,5	2950	1000	0,0601	-	608
400 RM	29,0	3900	1000	0,0470	-	726