

Code: YVV-U, YVV-R, CU/PVC/PVC, NYY

U: Solid Conductor
R: Stranded Conductor Rigid

Standards: IEC 60502 - 1, VDE 0271

Technical Data

Max. operating temperature : 70 °C
 Max. short circuit temperature : 160 °C (max. 5 sec.)
 Rated voltage : 0.6/1 kV
 Min. bending radius : 12 x D
 D : Cable outer diameter

Application

Indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is no risk of mechanical damage.

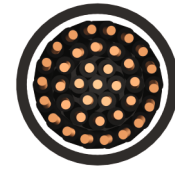
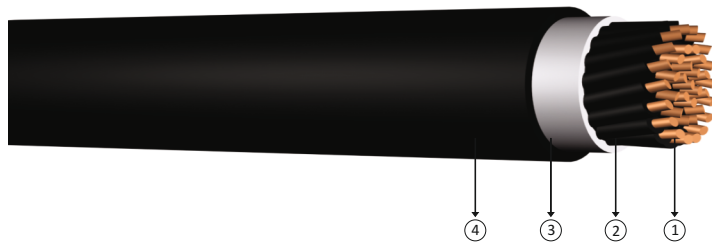
Construction

- 1 Solid or stranded copper conductor
- 2 PVC insulation
- 3 Filler
- 4 PVC outer jacket

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
5x1.5	13,5	270	1000	12,1	18,2	14,0
6x1.5	13,5	290	1000	12,1	16,9	13,0
7x1.5	13,5	325	1000	12,1	15,6	12,0
8x1.5	16,0	385	1000	12,1	14,3	11,1
10x1.5	16,5	475	1000	12,1	13,0	10,2
12x1.5	17,0	515	1000	12,1	12,3	9,7
14x1.5	18,0	565	1000	12,1	11,7	9,3
16x1.5	18,5	630	1000	12,1	11,1	8,8
19x1.5	19,5	700	1000	12,1	10,4	8,3
21x1.5	20,5	775	1000	12,1	9,9	8,0
24x1.5	22,5	920	1000	12,1	9,1	7,4
27x1.5	23,0	975	1000	12,1	8,8	7,2
30x1.5	24,5	1050	1000	12,1	8,6	7,0
37x1.5	26,5	1230	1000	12,1	8,1	6,7
40x1.5	27,5	1330	1000	12,1	7,8	6,5
48x1.5	30,0	1600	1000	12,1	7,3	6,1
52x1.5	31,0	1730	1000	12,1	6,7	5,8
61x1.5	33,0	1975	1000	12,1	6,5	5,6

Note : Current carrying capacities are valid under the following conditions;
 In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
 In air : 30 °C, load factor 1.0
 Number of system : 1

0.6/1 kV PVC Insulated, multi-core cables, control cables with copper conductor



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- ② PVC insulation
- ③ Filler
- ④ PVC outer jacket

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
5x2,5	13,5	320	1000	7,41	23,8	18,8
6x2,5	14,5	375	1000	7,41	22,1	17,5
7x2,5	14,5	415	1000	7,41	20,4	16,3
8x2,5	17,0	500	1000	7,41	18,7	15,0
10x2,5	18,0	595	1000	7,41	17,0	13,8
12x2,5	18,5	650	1000	7,41	16,2	13,1
14x2,5	19,5	730	1000	7,41	15,3	12,5
16x2,5	20,5	825	1000	7,41	14,5	11,9
19x2,5	21,5	920	1000	7,41	13,6	11,3
21x2,5	22,5	1010	1000	7,41	12,9	10,8
24x2,5	24,8	1190	1000	7,41	11,9	10,0
27x2,5	25,3	1280	1000	7,41	11,6	9,7
30x2,5	27,0	1380	1000	7,41	11,2	9,4
37x2,5	29,5	1660	1000	7,41	10,6	9,1
40x2,5	30,5	1800	1000	7,41	10,2	8,8
48x2,5	32,5	2135	1000	7,41	9,5	8,3
52x2,5	34,5	2320	1000	7,41	8,9	7,8
61x2,5	37,0	2630	1000	7,41	8,5	7,5

Note : Current carrying capacities are valid under the following conditions;
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 In air : 30 °C, load factor 1.0
 Number of system : 1