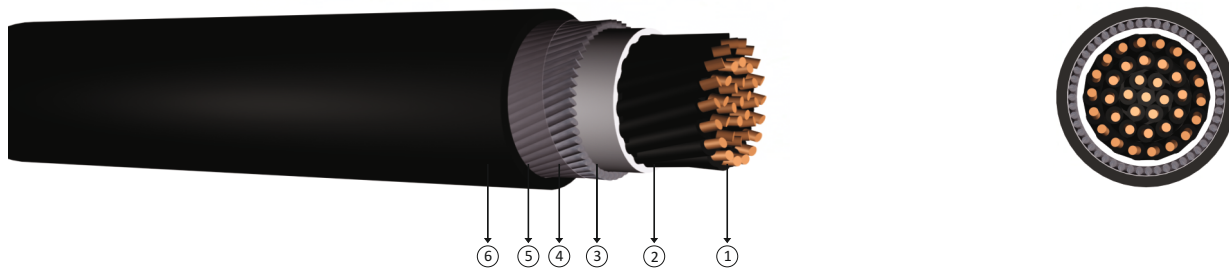




0.6/1 kV PVC Insulated, round steel wire armoured, control cables with copper conductor



Code: YVZ2V-U, YVZ2V-R, CU/PVC/SWA/PVC, NYRY

U: Solid Conductor
R: Stranded Conductor Rigid

Standards: IEC 60502 - 1

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 : 15 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 risk of mechanical damage.

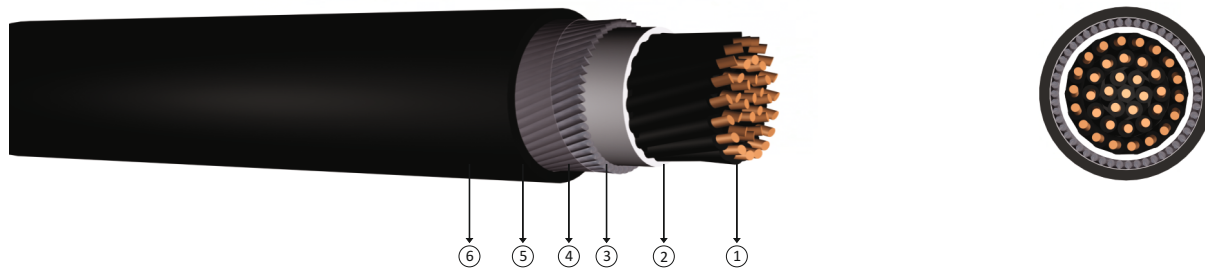
Construction

- 1 Solid or stranded copper conductor
- 2 PVC insulation
- 3 Filler
- 4 Galvanized round steel wire
- 5 Polyester tape
- 6 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	15,5	460	1000	12,1	18,2	14,0
6x1,5	16,5	520	1000	12,1	16,9	13,0
7x1,5	16,5	530	1000	12,1	15,6	12,0
8x1,5	18,5	820	1000	12,1	14,3	11,1
10x1,5	20,5	870	1000	12,1	13,0	10,2
12x1,5	21,0	920	1000	12,1	12,3	9,7
14x1,5	21,5	1000	1000	12,1	11,7	9,3
16x1,5	22,5	1100	1000	12,1	11,1	8,8
19x1,5	24,0	1300	1000	12,1	10,4	8,3
21x1,5	25,0	1400	1000	12,1	9,9	8,0
24x1,5	27,0	1600	1000	12,1	9,1	7,4
27x1,5	27,5	1700	1000	12,1	8,8	7,2
30x1,5	28,0	1800	1000	12,1	8,6	7,0
37x1,5	30,0	2050	1000	12,1	8,1	6,7
40x1,5	31,0	2150	1000	12,1	7,8	6,5
48x1,5	34,5	2750	1000	12,1	7,3	6,1
52x1,5	36,0	2950	1000	12,1	6,7	5,8
61x1,5	37,5	3250	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

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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	16,5	550	1000	7,41	23,8	18,8
6x2,5	18,5	750	1000	7,41	22,1	17,5
7x2,5	18,0	760	1000	7,41	20,4	16,3
8x2,5	20,0	880	1000	7,41	18,7	15,0
10x2,5	22,0	1050	1000	7,41	17,0	13,8
12x2,5	22,5	1100	1000	7,41	16,2	13,1
14x2,5	24,0	1350	1000	7,41	15,3	12,5
16x2,5	25,0	1500	1000	7,41	14,5	11,9
19x2,5	26,0	1600	1000	7,41	13,6	11,3
21x2,5	27,0	1750	1000	7,41	12,9	10,8
24x2,5	29,5	2000	1000	7,41	11,9	10,0
27x2,5	30,0	2100	1000	7,41	11,6	9,7
30x2,5	31,0	2250	1000	7,41	11,2	9,4
37x2,5	33,0	2600	1000	7,41	10,6	9,1
40x2,5	35,0	3800	1000	7,41	10,2	8,8
48x2,5	38,5	3550	1000	7,41	9,5	8,3
52x2,5	39,5	3700	1000	7,41	8,9	7,8
61x2,5	41,5	4150	1000	7,41	8,5	7,5

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