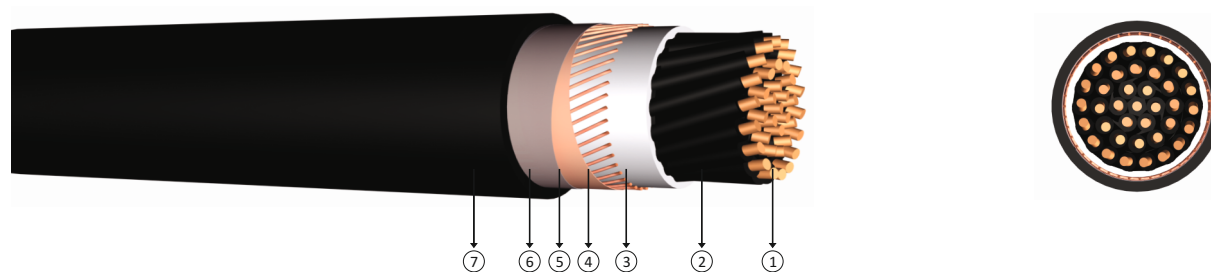


0.6/1 kV PVC Insulated, concentric conductor screen, control cables with copper conductor



Code: YVCV-U, YVCV-R, CU/PVC/SC/PVC, NYCY

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 : 15 x D
 D : Cable outer diameter

Application Used as control cables, indoor installations, in cable ducts, outdoor and underground for power stations, industrial plants and switching stations as well as local supply systems if increased protection is necessary. In case of mechanical damage the screen prevents any damage due to power leak to the surrounding area.

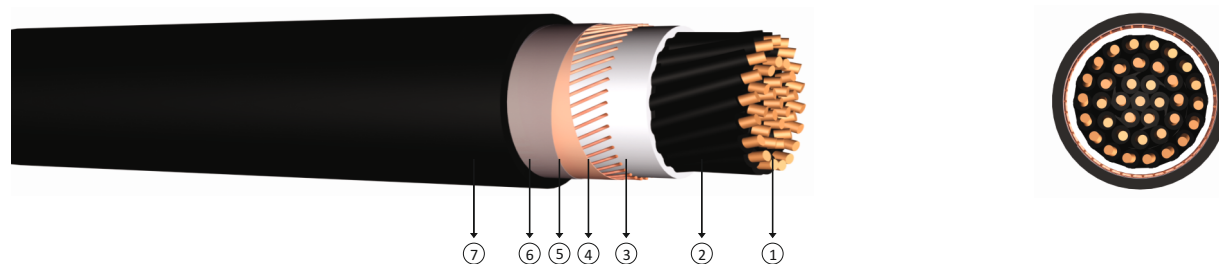
Construction

- 1 Solid or stranded copper conductor
- 2 PVC insulation
- 3 Filler
- 4 Concentric copper wire
- 5 Copper tape as binder
- 6 Polyester tape
- 7 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
7x1,5/2,5	16,0	350	1000	12,1	15,6	12,0
8x1,5/2,5	18,2	400	1000	12,1	14,3	11,1
10x1,5/2,5	19,0	500	1000	12,1	13,0	10,2
12x1,5/2,5	19,5	550	1000	12,1	12,3	9,7
14x1,5/2,5	20,0	600	1000	12,1	11,7	9,3
19x1,5/4	22,0	750	1000	12,1	10,4	8,3
24x1,5/6	25,0	1000	1000	12,1	9,1	7,4
27x1,5/6	26,0	1000	1000	12,1	8,8	7,2
30x1,5/6	26,5	1100	1000	12,1	8,6	7,0
37x1,5/10	28,0	1350	1000	12,1	8,1	6,7
7x2,5/2,5	17,5	450	1000	7,41	20,4	16,3
8x2,5/2,5	20,5	550	1000	7,41	18,7	15,0
10x2,5/4	21,0	650	1000	7,41	17,0	13,8
12x2,5/4	22,0	700	1000	7,41	16,2	13,1
14x2,5/2,5	22,3	800	1000	7,41	15,3	12,5
19x2,5/6	24,3	1000	1000	7,41	13,6	11,3
24x2,5/10	28,5	1350	1000	7,41	11,9	10,0
27x2,5/10	28,0	1470	1000	7,41	11,5	9,8
30x2,5/10	29,0	1550	1000	7,41	11,2	9,4
37x2,5/10	31,0	1800	1000	7,41	10,6	9,1
7x4/4	20,0	650	1000	4,61	26,4	22,1
8x4/6	23,0	800	1000	4,61	24,2	20,4
10x4/6	24,5	950	1000	4,61	22,0	18,7
12x4/6	25,0	1050	1000	4,61	20,9	17,9
14x4/6	25,5	1200	1000	4,61	19,8	17,0
19x4/10	28,0	1500	1000	4,61	17,6	15,3

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, concentric conductor screen, control cables with copper conductor



Code: YVCV-U, YVCV-R, YVCV-R CU/PVC/SC/PVC, NYCY

U: Solid Conductor

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 : 15 x D
 D : Cable outer diameter

Application Used as control cables, indoor installations, in cable ducts, outdoor and underground for power stations, industrial plants and switching stations as well as local supply systems if increased protection is necessary. In case of mechanical damage the screen prevents any damage due to power leak to the surrounding area.

Construction

- 1 Solid or stranded copper conductor
- 2 PVC insulation
- 3 Filler
- 4 Concentric copper wire
- 5 Copper tape as binder. (100% overlap)
- 6 Polyester tape
- 7 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
7x1,5/9	16,0	410	1000	12,1	15,6	12,0
8x1,5/9	17,0	460	1000	12,1	14,3	11,1
10x1,5/9	19,0	560	1000	12,1	13,0	10,2
12x1,5/9	19,5	610	1000	12,1	12,3	9,7
14x1,5/9	20,0	660	1000	12,1	11,7	9,3
19x1,5/9	22,0	900	1000	12,1	10,4	8,3
24x1,5/9	25,0	1060	1000	12,1	9,1	7,4
27x1,5/9	25,5	1120	1000	12,1	8,8	7,2
30x1,5/9	26,0	1160	1000	12,1	8,6	7,0
37x1,5/9	28,0	1410	1000	12,1	8,1	6,7
7x2,5/9	17,0	510	1000	7,41	20,4	16,3
8x2,5/9	18,5	610	1000	7,41	18,7	15,0
10x2,5/9	20,5	720	1000	7,41	17,0	13,8
12x2,5/9	21,0	760	1000	7,41	16,2	13,1
14x2,5/9	22,0	860	1000	7,41	15,3	12,5
19x2,5/9	24,0	1060	1000	7,41	13,6	11,3
24x2,5/9	27,0	1410	1000	7,41	11,9	10,0
27x2,5/9	28,0	1455	1000	7,41	11,5	9,8
30x2,5/9	28,5	1610	1000	7,41	11,2	9,4
37x2,5/9	30,5	1860	1000	7,41	10,6	9,1
7x4/9	19,5	710	1000	4,61	26,4	22,1
8x4/9	21,5	860	1000	4,61	24,2	20,4
10x4/9	24,0	1010	1000	4,61	22,0	18,7
12x4/9	24,5	1110	1000	4,61	20,9	17,9
14x4/9	25,5	1280	1000	4,61	19,8	17,0
19x4/9	28,0	1560	1000	4,61	17,6	15,3

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