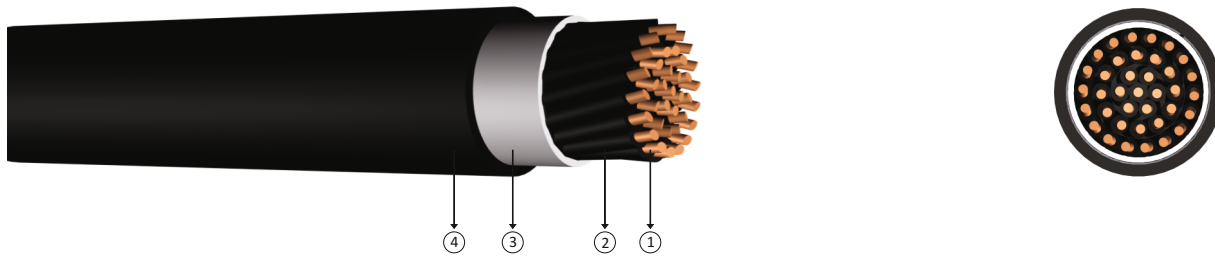


## 0.6/1 kV XLPE Insulated, control cables with copper conductor



**Code:** YXV-U, YXV-R, CU/XLPE/PVC, N2XY

U: Solid Conductor  
R: Stranded Conductor Rigid

**Standards:** IEC 60502 - 1

### Technical Data

Max. operating temperature : 90 °C  
Max. short circuit temperature : 250 °C (max. 5 sec.)  
Rated voltage : 0.6/1 kV  
Min. bending radius : 12 x D  
D : Cable outer diameter

### Application

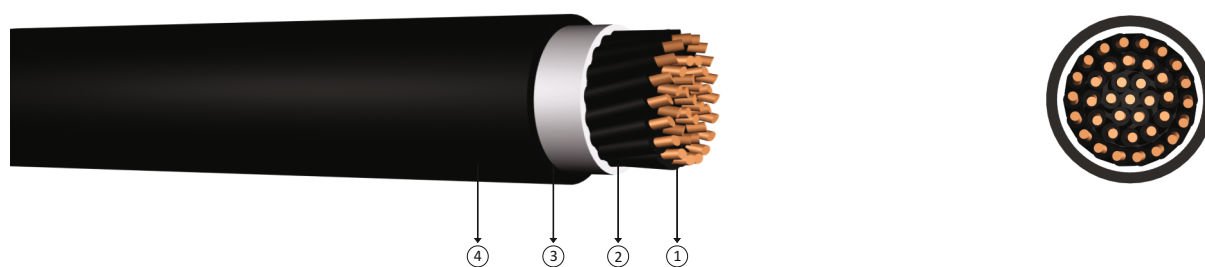
These cables have a low dielectric loss, used as control cables, used in indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is no risk of mechanical damage.

### Construction

- 1 Solid copper conductor
- 2 XLPE 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 <sup>2</sup>	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
5x1,5	12,0	240	1000	12,1	21,0	18,0
6x1,5	13,0	250	1000	12,1	19,5	16,8
7x1,5	13,0	270	1000	12,1	18,0	15,6
8x1,5	15,0	340	1000	12,1	16,5	14,4
10x1,5	15,7	420	1000	12,1	15,0	13,2
12x1,5	15,7	450	1000	12,1	14,3	12,6
14x1,5	17,0	500	1000	12,1	13,5	12,0
16x1,5	17,5	550	1000	12,1	12,8	11,4
19x1,5	18,5	620	1000	12,1	12,0	10,8
21x1,5	20,5	680	1000	12,1	11,3	10,2
24x1,5	22,0	800	1000	12,1	10,5	9,6
27x1,5	22,5	850	1000	12,1	10,2	9,4
30x1,5	22,5	900	1000	12,1	9,9	9,1
37x1,5	25,0	1050	1000	12,1	9,3	8,6
40x1,5	26,0	1150	1000	12,1	9,0	8,4
48x1,5	28,0	1400	1000	12,1	8,4	7,9
52x1,5	29,0	1450	1000	12,1	7,8	7,4
61x1,5	31,0	1700	1000	12,1	7,5	7,2

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



**Code:** YXV-U, YXV-R, CU/XLPE/PVC, N2XY

U: Solid Conductor  
R: Stranded Conductor Rigid

**Standards:** IEC 60502 - 1

**Technical Data**

Max. operating temperature : 90 °C  
 Max. short circuit temperature : 250 °C (max. 5 sec.)  
 Rated voltage : 0.6/1 kV  
 Min. bending radius : 12 x D  
 D : Cable outer diameter

**Application**

These cables have a low dielectric loss, used as control cables, used in 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 XLPE 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 <sup>2</sup>	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
5x2,5	13,0	280	1000	7,41	28	24,0
6x2,5	14,0	330	1000	7,41	26	22,0
7x2,5	14,0	350	1000	7,41	24	21,0
8x2,5	15,0	450	1000	7,41	22	19,0
10x2,5	17,0	510	1000	7,41	20	17,5
12x2,5	17,5	570	1000	7,41	19	16,5
14x2,5	18,0	640	1000	7,41	18	16,0
16x2,5	19,0	720	1000	7,41	16,5	15,0
19x2,5	20,0	800	1000	7,41	16	14,5
21x2,5	20,5	870	1000	7,41	15	13,5
24x2,5	23,0	1040	1000	7,41	14	13,0
27x2,5	24,0	1100	1000	7,41	13,5	12,5
30x2,5	25,0	1200	1000	7,41	13,0	12,0
37x2,5	27,0	1450	1000	7,41	12,5	11,5
40x2,5	28,0	1550	1000	7,41	12,0	11,0
48x2,5	30,0	1900	1000	7,41	11,0	10,5
52x2,5	32,0	2050	1000	7,41	10,5	10,0
61x2,5	34,0	2300	1000	7,41	10,0	9,5

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