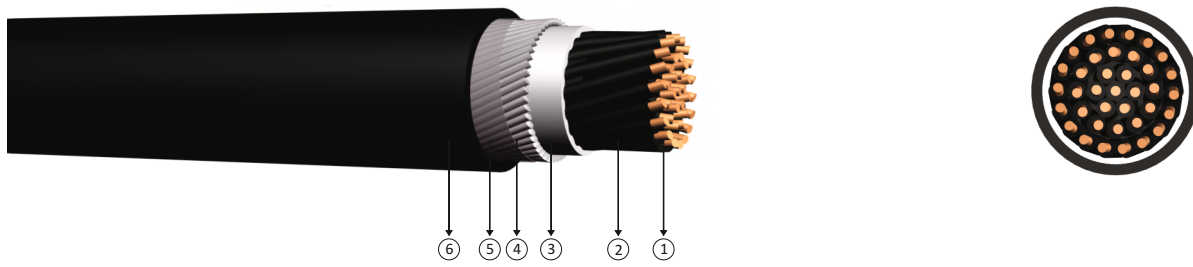


0.6/1 kV XLPE Insulated, round steel wire armoured, control cables with copper conductor



Code: YXZ2V-U, YXZ2V-R, CU/XLPE/SWA/PVC, N2XRY

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 : 15 x D
D : Cable outer diameter

Application

These cables have a low dielectric loss, used in indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is risk of mechanical damage.

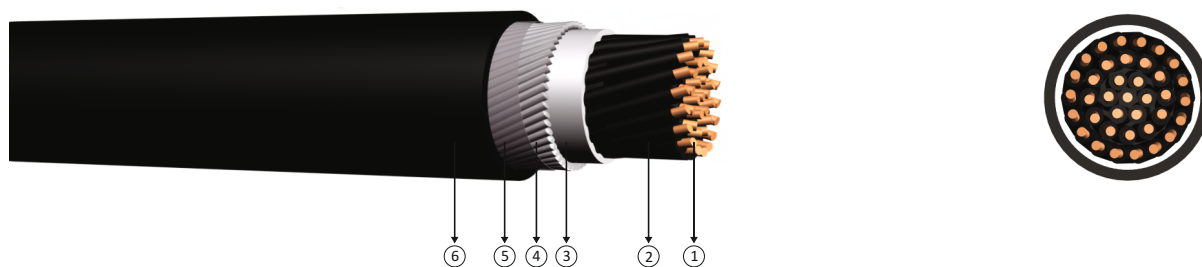
Construction

- ① Solid or stranded copper conductor
- ② XLPE 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	15,0	420	1000	12,1	21,0	18,0
6x1,5	16,5	470	1000	12,1	19,5	16,8
7x1,5	16,5	480	1000	12,1	18,0	15,6
8x1,5	18,0	670	1000	12,1	16,5	14,4
10x1,5	19,5	800	1000	12,1	15,0	13,2
12x1,5	20,0	850	1000	12,1	14,3	12,6
14x1,5	20,5	900	1000	12,1	13,5	12,0
16x1,5	21,5	950	1000	12,1	12,8	11,4
19x1,5	22,0	1050	1000	12,1	12,0	10,8
21x1,5	24,0	1300	1000	12,1	11,3	10,2
24x1,5	25,5	1450	1000	12,1	10,5	9,6
27x1,5	26,0	1500	1000	12,1	10,2	9,4
30x1,5	27,0	1600	1000	12,1	9,9	9,1
37x1,5	28,5	1800	1000	12,1	9,3	8,6
40x1,5	29,5	1950	1000	12,1	9,0	8,4
48x1,5	32,0	2250	1000	12,1	8,4	7,9
52x1,5	32,5	2350	1000	12,1	7,8	7,4
61x1,5	35,5	2900	1000	12,1	7,5	7,2

Note
In ground : Current carrying capacities are valid under the following conditions;
: 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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Application

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Construction

- 1 Solid or stranded copper conductor
- 2 XLPE 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
5x2,5	16,0	500	1000	7,41	28,0	24,0
6x2,5	17,5	700	1000	7,41	26,0	22,4
7x2,5	18,0	700	1000	7,41	24,0	20,8
8x2,5	19,0	800	1000	7,41	22,0	19,2
10x2,5	21,0	950	1000	7,41	20,0	17,6
12x2,5	21,5	1050	1000	7,41	19,0	16,8
14x2,5	22,0	1100	1000	7,41	18,0	16,0
16x2,5	24,0	1350	1000	7,41	16,5	15,2
19x2,5	25,0	1450	1000	7,41	16,0	14,4
21x2,5	26,0	1600	1000	7,41	15,0	13,6
24x2,5	28,0	1850	1000	7,41	14,0	12,8
27x2,5	28,5	1900	1000	7,41	13,6	12,5
30x2,5	29,5	2050	1000	7,41	13,2	12,2
37x2,5	31,5	2300	1000	7,41	12,5	11,5
40x2,5	32,5	2500	1000	7,41	12,0	11,2
48x2,5	36,5	3200	1000	7,41	11,0	10,6
52x2,5	37,5	3400	1000	7,41	10,5	9,9
61x2,5	39,5	3750	1000	7,41	10,0	9,6

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