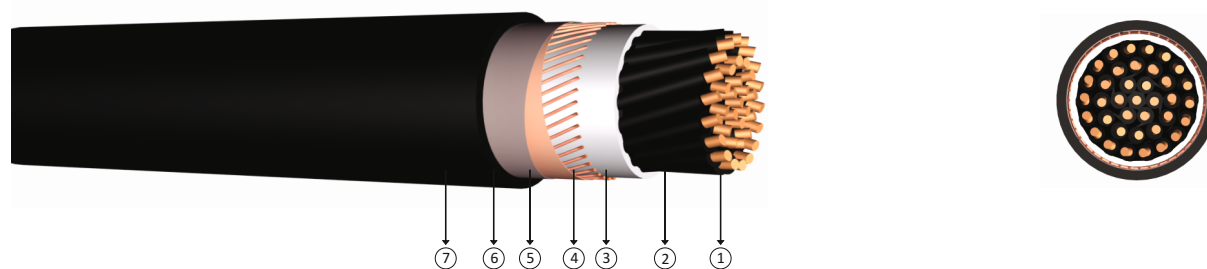




0.6/1 kV halogen free, flame retardant, XLPE insulated, concentric conductor screened, control cables with copper conductor



Code: YXCZ1-U, YXCZ1-R, N2XCH

U: Solid conductor O: Yellow / green veinless **Standards:** HD 604 S1, IEC 60502 - 1, VDE 0276 - 604
 R: Stranded Conductor Rigid J: Yellow / green core

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, 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 XLPE insulation
- 3 Filler
- 4 Concentric conductor
- 5 Copper tape as binder
- 6 Polyester tape
- 7 HFFR 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	15,0	350	1000	12,1	18,0	15,5
10x1.5/2.5	17,0	470	1000	12,1	15,0	13,0
12x1.5/2.5	19,0	520	1000	12,1	14,0	12,5
16x1.5/4	21,0	670	1000	12,1	12,8	11,4
21x1.5/6	22,0	750	1000	12,1	11,3	10,2
24x1.5/6	24,0	850	1000	12,1	10,5	9,5
27x1.5/6	24,5	950	1000	12,1	10,0	9,0
30x1.5/6	25,0	1000	1000	12,1	10,0	9,0
7x2.5/2.5	17,0	450	1000	7,41	24,0	21,0
10x2.5/2.5	19,0	600	1000	7,41	20,0	17,5
12x2.5/2.5	21,0	700	1000	7,41	19,0	17,0
16x2.5/4	23,0	850	1000	7,41	16,5	15,0
21x2.5/6	25,0	1080	1000	7,41	15,0	13,5
24x2.5/6	26,0	1170	1000	7,41	14,0	13,0
27x2.5/6	27,0	1250	1000	7,41	13,5	12,5
30x2.5/6	28,0	1380	1000	7,41	13,0	12,0

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