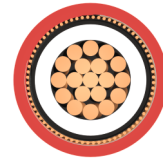
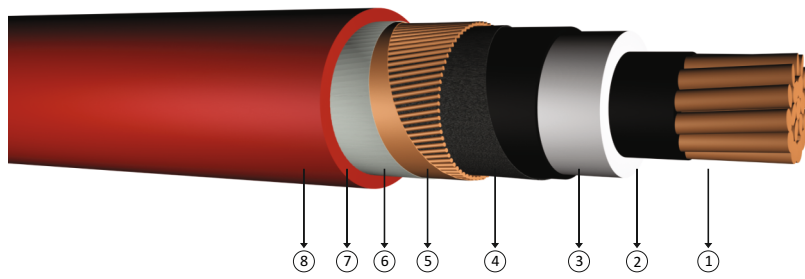


8.7/15 kV halogen free, flame retardant, XLPE insulated, single core, cables with copper conductor



Code: YXC7Z1-R, N2XSH, CU/XLPE/CWS/LSZH

R: Stranded Conductor Rigid

Standards: TS IEC 60502 - 2, VDE 0276 - 620

Technical Data

Max. operating temperature : 90 °C
 Max. short circuit temperature : 250 °C (max. 5 sec.)
 Rated voltage : 8.7/15 kV
 Min. bending radius : 15 x D
 D : Cable outer diameter

Application

Used in energy networks in refineries, mines, hotels, schools, tunnels, high constructions, hospitals, power plant, data processing centers, business centers where there is a risk of fire.

Construction

- 1 Stranded copper conductors
- 2 Inner semi conductive layer
- 3 XLPE insulation
- 4 Outer semi conductive layer
- 5 Semi conductive tape
- 6 Copper screen
- 7 Polyester tape
- 8 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	DC Conductor Resistance at 90 °C Max	Operation Inductance		Operational Capacitance	Current Carrying Capacity (A)			
mm ²	mm	kg/km	m	ohm/km	ohm/km	*** mH/km	** mH/km	µF/km	In ground at 20 °C		In air at 30 °C	
									***	**	***	**
1x35/16	25,0	900	1000	0,524	0,6707	0,666	0,401	0,181	212	187	231	195
1x50/16	26,5	1050	1000	0,387	0,4954	0,640	0,383	0,201	249	220	277	234
1x70/16	28,0	1300	1000	0,268	0,3430	0,609	0,362	0,229	303	269	345	292
1x95/16	29,5	1550	1000	0,193	0,2470	0,585	0,346	0,255	358	321	418	354
1x120/16	31,5	1850	1000	0,153	0,1958	0,567	0,336	0,278	404	364	481	407
1x150/25	33,0	2200	1000	0,124	0,1587	0,549	0,325	0,302	441	405	537	460
1x185/25	35,0	2600	1000	0,0991	0,1268	0,534	0,317	0,328	493	457	612	527
1x240/25	37,5	3150	1000	0,0754	0,0965	0,514	0,307	0,363	563	528	716	621
1x300/25	40,0	3750	1000	0,0601	0,0769	0,497	0,298	0,398	626	593	811	709
1x400/35	43,5	4900	1000	0,0470	0,0602	0,477	0,289	0,447	676	665	901	815
1x500/35	46,5	5900	500	0,0366	0,0468	0,461	0,282	0,491	743	739	1006	921
1x630/35	50,0	7150	500	0,0283	0,0362	0,445	0,275	0,543	820	818	1130	1045

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
 *** : Flat formation, clearance between cables; in air = 1 x Cable outer diameter, in ground = 7 cm
 *** : Trefoil formation
 Number of system : 1