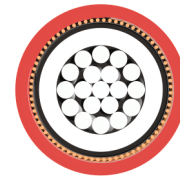
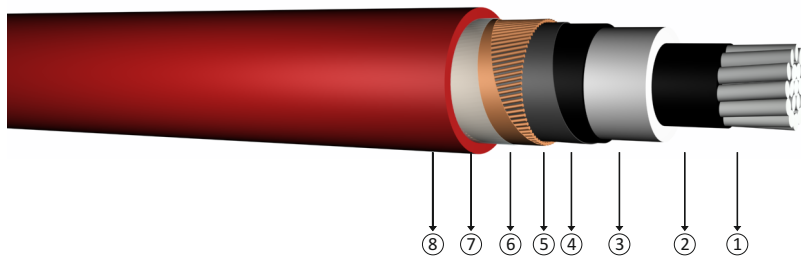


8.7/15 kV halogen free, flame retardant, XLPE insulated single core cables with aluminium conductor



Code: YAXC7Z1-R, NA2XSH, AL/XLPE/CWS/LSZH

R: Stranded Conductor Rigid

Standards: 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 aluminium conductor
- 2 Inner semi conductive layer
- 3 XLPE insulation
- 4 Outer semi conductive layer
- 5 Semi conductive tape
- 6 Copper screen
- 7 Polyester tape
- 8 LSZH 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		Operation 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	650	1000	0,868	1,1110	0,666	0,401	0,181	-	-	-	-
1x50/16	26,5	750	1000	0,641	0,8205	0,640	0,383	0,201	194	171	215	181
1x70/16	28,0	850	1000	0,443	0,5670	0,609	0,362	0,229	236	209	269	226
1x95/16	29,5	950	1000	0,320	0,4096	0,585	0,346	0,255	281	249	327	275
1x120/16	31,5	1.100	1000	0,253	0,3238	0,567	0,336	0,278	318	283	377	317
1x150/25	33,0	1300	1000	0,206	0,2637	0,549	0,325	0,302	350	316	424	359
1x185/25	35,0	1450	1000	0,164	0,2099	0,534	0,317	0,328	393	358	485	412
1x240/25	37,5	1700	1000	0,125	0,1600	0,514	0,307	0,363	453	416	573	489
1x300/25	40,0	1900	1000	0,100	0,1280	0,497	0,298	0,398	507	469	652	559
1x400/35	43,5	2400	1000	0,0778	0,1009	0,477	0,289	0,447	559	532	741	651
1x500/35	46,5	2800	1000	0,0605	0,0774	0,461	0,282	0,491	622	599	838	744
1x630/35	50,0	3250	1000	0,0469	0,0600	0,455	0,275	0,543	697	679	957	851

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