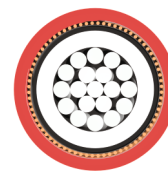
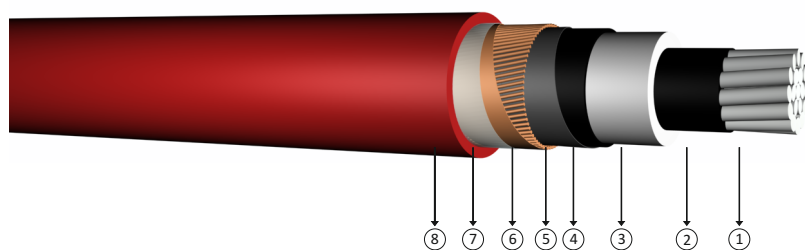




5.8/10 kV (6/10 kV) or 6.35/11 kV halogen free, flame retardant, XLPE insulated single core cables with aluminium conductor



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

R: Stranded Conductor Rigid

Standards: IEC 60502 - 2, VDE 0276 - 620, BS 7835

Technical Data

Max. operating temperature : 90 °C
 Max. short circuit temperature : 250 °C (max. 5 sec.)
 Rated voltage : 5.8/10 kV (6/10 kV)
 6.35/11 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 3 XLPE insulation 5 Semi conductive tape 7 Polyester tape
- 2 Inner semi conductive layer 4 Outer semi conductive layer 6 Copper screen 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	22,5	600	1000	0,868	1,1110	0,657	0,367	0,223	-	-	-	-	
1x50/16	24,0	650	1000	0,641	0,8205	0,632	0,351	0,248	194	171	215	181	
1x70/16	26,0	750	1000	0,443	0,5670	0,601	0,332	0,285	236	209	269	226	
1x95/16	27,5	870	1000	0,320	0,4096	0,577	0,318	0,320	281	249	327	275	
1x120/16	29,5	970	1000	0,253	0,3238	0,558	0,308	0,350	318	283	377	317	
1x150/25	30,5	1200	1000	0,206	0,2637	0,541	0,299	0,382	350	316	424	359	
1x185/25	32,5	1300	1000	0,164	0,2099	0,525	0,292	0,415	393	358	485	412	
1x240/25	35,0	1550	1000	0,125	0,1600	0,506	0,284	0,462	453	416	573	489	
1x300/25	37,5	1800	1000	0,100	0,1280	0,490	0,279	0,507	507	469	652	559	
1x400/35	41,0	2250	1000	0,0778	0,1009	0,471	0,275	0,573	559	532	741	651	
1x500/35	44,0	2600	1000	0,0605	0,0774	0,456	0,270	0,631	622	599	838	744	
1x630/35	47,5	3050	1000	0,0469	0,0600	0,440	0,264	0,699	697	679	957	851	

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