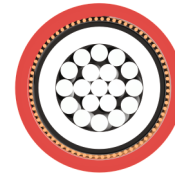
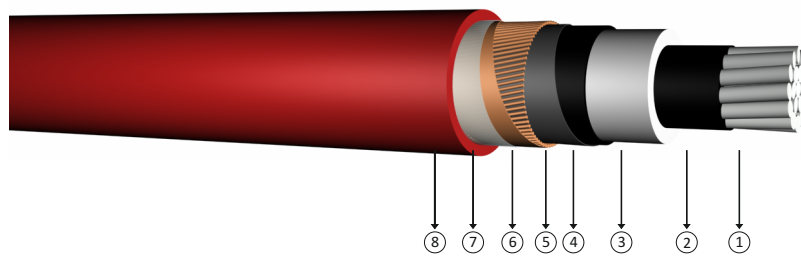


20.3/35 kV or 20.8/36 kV halogen free, flame retardant, XLPE insulated single core cables with aluminium conductor



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

R: Stranded Conductor Rigid

Standards: HD 620 S2, TSEK

Technical Data

Max. operating temperature	: 90 °C
Max. short circuit temperature	: 250 °C (max. 5 sec.)
Rated voltage	: 20.3/35 kV 20.8/36 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	34,5	1100	1000	0,868	1,1110	0,657	0,464	0,115	-	-	-	-
1x50/16	36,0	1200	1000	0,641	0,8205	0,632	0,444	0,125	196	175	217	187
1x70/16	37,5	1350	1000	0,443	0,5670	0,601	0,420	0,140	238	214	270	232
1x95/16	39,5	1500	1000	0,320	0,4096	0,577	0,402	0,153	284	256	328	281
1x120/16	41,5	1650	1000	0,253	0,3238	0,558	0,388	0,165	322	290	378	323
1x150/25	43,0	1900	1000	0,206	0,2637	0,541	0,376	0,178	355	324	425	365
1x185/25	44,5	2050	1000	0,164	0,2099	0,525	0,365	0,191	400	366	485	418
1x240/25	47,5	2350	1000	0,125	0,1600	0,506	0,351	0,209	461	426	572	494
1x300/25	49,5	2600	1000	0,100	0,1280	0,490	0,341	0,226	516	479	649	564
1x400/35	53,0	3150	1000	0,0778	0,1009	0,471	0,328	0,252	572	545	737	654
1x500/35	56,0	3600	1000	0,0605	0,0774	0,456	0,318	0,274	638	614	835	747
1x630/35	60,0	4150	1000	0,0469	0,0600	0,440	0,308	0,300	728	690	950	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