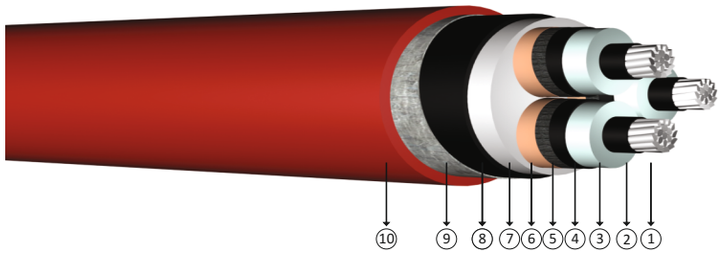
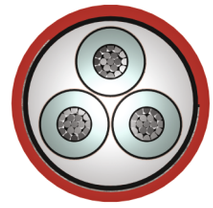
20.3/35 kV veya 20.8/36 kV XLPE insulated double steel tape armoured, three core cables with aluminium conductor





Code: YAXC8VZ4V-R, NA2XSEYBY, AL/XLPE/CTS/PVC/STA/PVC

R: Stranded Conductor Rigid

Standards: TS 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

These are cables with low dielectric losses used in energy networks with sudden load changes. Laid in residential or industrial areas, underground or in ducts.

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. Filler
8. Inner sheath
9. Galvanized steel tape
10. PVC 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	Operation Inductance (approx)	Operation Capaticance (approx)	Current Carrying Capacity (A)	
mm ²	mm	kg/km	m	ohm/km	mH/km	µF/km	In ground at 20 °C	In air at 30 °C
3x35/16	78,0	4650	1000	0,868	0,471	0,107	-	-
3x50/16	82,0	5150	500	0,641	0,448	0,116	166	164
3x70/16	86,0	5800	500	0,443	0,423	0,127	204	204
3x95/16	90,0	6500	500	0,320	0,401	0,140	244	248
3x120/16	93,0	7250	500	0,253	0,384	0,152	278	284
3x150/25	97,0	8000	500	0,206	0,372	0,161	312	326
3x185/25	101,0	9500	500	0,164	0,359	0,173	343	374
3x240/25	107,0	11000	250	0,125	0,341	0,193	398	440
3x300/25	112,0	12350	250	0,100	0,330	0,207	476	513
3x400/35	119,0	20620	250	0,0778	0,316	0,231	552	593

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