

// 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 where there is no risk of mechanical damage.

// Construction

1. Stranded aluminum conductor.
2. Inner semi-conductive layer.
3. XLPE insulation.
4. Outer semi-conductive layer.
5. Semi-conductive tape.
6. Copper wire screen.
7. Polyester tape.
8. PVC outer jacket

// Cable Summary

Max. operating temperature	: 90°C
Max. short circuit temperature	: 250 °C
Rated voltage	: 20.8/36 kV
Min. bending radius	: 15 x D

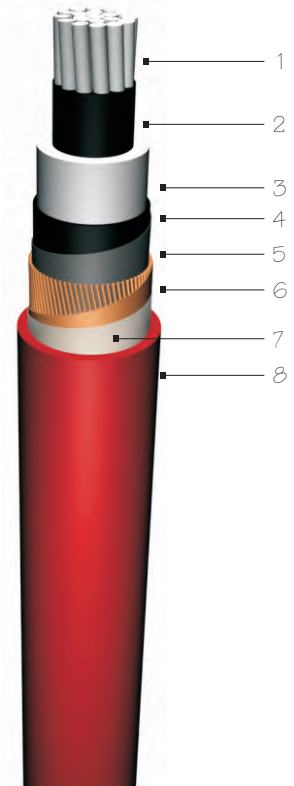
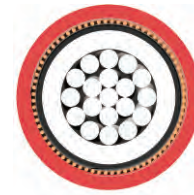
D = Cable outer diameter

// Standards

IEC 60502 | BS 6622 | VDE 0276

// Code

YXC7V-R | NA2XS4 | AL/XLPE/CWS/PVC



Electrical Properties									Dimensions & Weights			
DC Conductor Resistance @ 20 °C	DC Conductor Resistance @ 90 °C	Operation Inductance (approx.)		Operation Capacitance (approx.)	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
		mH/km ₀₀₀	mH/km ₀₀		µF/km	in Ground @ 20 °C ₀₀₀	in Duct ₀₀ @ 20 °C	in Air ₀₀₀ @ 30 °C				
ohm/km	mH/km	mH/km ₀₀₀	mH/km ₀₀	µF/km	in Ground @ 20 °C ₀₀₀	in Duct ₀₀ @ 20 °C	in Air ₀₀₀ @ 30 °C	in Air ₀₀ @ 30 °C	mm ²	mm	kg/km	m
1.2000	1.5360	0.711	0.486	0.105	-	-	-	-	1x025/16	33.5	1050	1000
0.8680	1.1110	0.685	0.464	0.115	-	-	-	-	1x035/16	34.5	1100	1000
0.6410	0.8205	0.659	0.444	0.125	196	175	217	187	1x050/16	36.0	1200	1000
0.4430	0.5670	0.628	0.420	0.140	238	214	270	232	1x070/16	37.5	1350	1000
0.3200	0.4096	0.604	0.402	0.153	284	256	328	281	1x095/16	39.5	1500	1000
0.2530	0.3238	0.585	0.388	0.165	322	290	378	323	1x120/16	41.5	1650	1000
0.2060	0.2637	0.567	0.376	0.178	355	324	425	365	1x150/25	43.0	1900	1000
0.1640	0.2099	0.551	0.365	0.191	400	366	485	418	1x185/25	44.5	2050	1000
0.1250	0.1600	0.531	0.351	0.209	461	426	572	494	1x240/25	47.5	2350	1000
0.1000	0.1280	0.514	0.341	0.226	516	479	649	564	1x300/25	49.5	2600	1000
0.0788	0.1009	0.493	0.328	0.252	572	545	737	654	1x400/35	53.0	3150	1000
0.0605	0.0774	0.477	0.318	0.274	638	614	835	747	1x500/35	56.0	3600	1000
0.0469	0.0600	0.460	0.308	0.300	728	690	950	851	1x630/35	60.0	4150	1000



Laying / Installation method:

Linear | ○○○
Triangular | ○○○

