

// 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	: 5.8/10 kV or 6.35/11 kV
Min. bending radius	: 15 x D

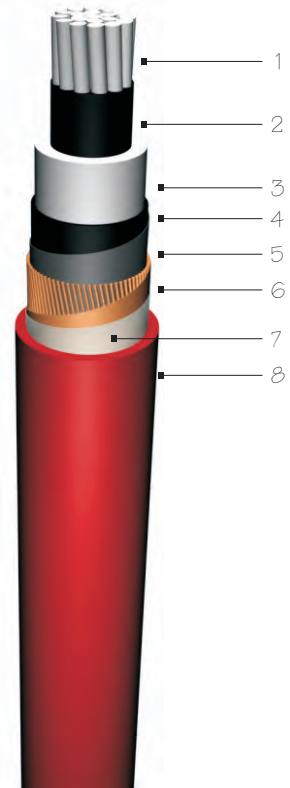
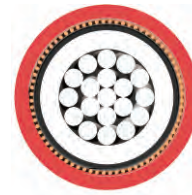
D = Cable outer diameter

// 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	0.683	0.384	0.200	-	-	-	-	1x025/16	20.0	550	1000
0.8680	1.1110	0.657	0.367	0.223	-	-	-	-	1x035/16	21.0	600	1000
0.6410	0.8205	0.632	0.351	0.284	194	171	215	181	1x050/16	22.0	650	1000
0.4430	0.5670	0.601	0.332	0.285	236	209	269	226	1x070/16	24.0	750	1000
0.3200	0.4096	0.577	0.318	0.320	281	249	327	275	1x095/16	25.5	870	1000
0.2530	0.3238	0.558	0.308	0.350	318	283	377	317	1x120/16	27.0	970	1000
0.2060	0.2637	0.541	0.299	0.382	350	316	424	359	1x150/25	28.5	1200	1000
0.1640	0.2099	0.525	0.292	0.415	393	358	485	412	1x185/25	30.5	1300	1000
0.1250	0.1600	0.506	0.284	0.462	453	416	573	489	1x240/25	33.5	1550	1000
0.1000	0.1280	0.490	0.279	0.507	507	469	652	559	1x300/25	36.0	1800	1000
0.0788	0.1009	0.471	0.275	0.573	559	532	741	651	1x400/35	40.0	2250	1000
0.0605	0.0774	0.456	0.270	0.631	622	599	838	744	1x500/35	43.5	2600	1000
0.0469	0.0600	0.440	0.264	0.699	697	679	957	851	1x630/35	47.0	3050	1000



Laying / Installation method:

Linear | ○○○
Triangular | ○○○

