

// 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 copper 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

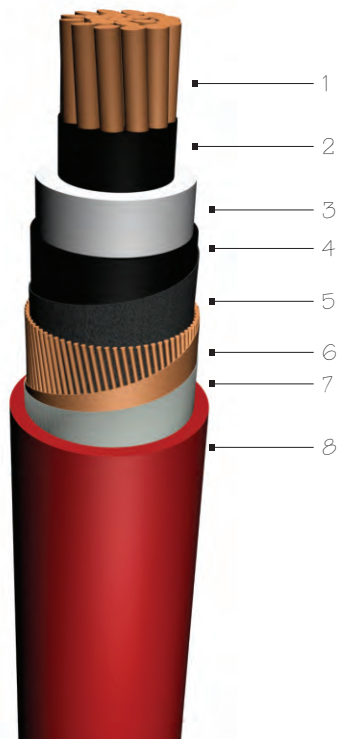
D = Cable outer diameter

// Standards

IEC 60502 | BS 6622 | VDE 0276

// Code

YXC7V-R | N2XS1 | CU/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
0.7270	0.9306	0.687	0.401	0.200	179	157	191	162	1x025/16	21.5	700	1000
0.5240	0.6707	0.661	0.383	0.223	212	187	231	195	1x035/16	22.5	800	1000
0.3870	0.4954	0.636	0.366	0.248	249	220	277	234	1x050/16	24.0	950	1000
0.0268	0.3430	0.606	0.349	0.285	303	269	345	292	1x070/16	26.0	1200	1000
0.1930	0.2470	0.582	0.334	0.320	358	321	418	354	1x095/16	27.5	1450	1000
0.1530	0.1958	0.563	0.323	0.350	404	364	481	407	1x120/16	29.5	1700	1000
0.1240	0.1587	0.546	0.313	0.382	441	405	537	460	1x150/25	30.5	2100	1000
0.0991	0.1268	0.529	0.304	0.415	493	457	612	527	1x185/25	32.5	2450	1000
0.0754	0.0965	0.509	0.294	0.462	563	528	716	621	1x240/25	35.0	3050	1000
0.0601	0.0769	0.493	0.288	0.507	626	593	811	709	1x300/25	37.5	3650	1000
0.0470	0.0602	0.473	0.278	0.573	676	665	901	815	1x400/35	41.0	4700	1000
0.0366	0.0468	0.457	0.271	0.631	743	739	1006	921	1x500/35	44.0	5700	500
0.0283	0.0362	0.440	0.264	0.699	820	818	1130	1045	1x630/35	47.5	7000	500



Laying / Installation method:

Linear | ○○○
Triangular | ○○○

