

// 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	: 18/30 kV or 19/33 kV
Min. bending radius	: 15 x D

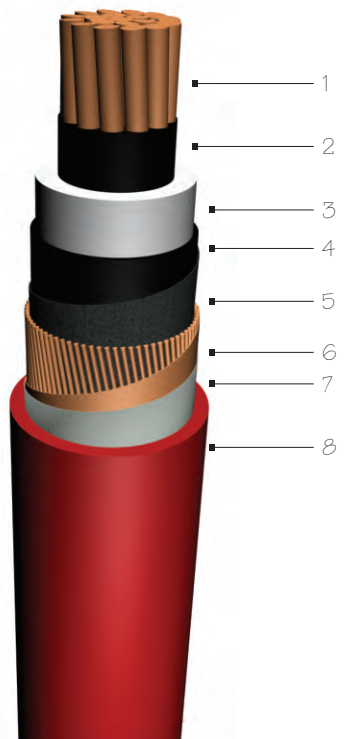
D = Cable outer diameter

// 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	0.707	0.472	0.113	-	-	-	-	1x025/16	31.0	1100	1000
0.5240	0.6707	0.680	0.451	0.123	214	192	233	202	1x035/16	32.0	1200	1000
0.3870	0.4954	0.655	0.432	0.135	251	226	279	241	1x050/16	33.5	1400	1000
0.0268	0.3430	0.624	0.408	0.151	306	276	348	299	1x070/16	35.0	1650	1000
0.1930	0.2470	0.600	0.391	0.166	363	329	421	362	1x095/16	37.0	1950	1000
0.1530	0.1958	0.581	0.377	0.180	410	373	483	416	1x120/16	39.0	2250	1000
0.1240	0.1587	0.564	0.366	0.194	449	415	540	469	1x150/25	40.5	2700	1000
0.0991	0.1268	0.547	0.355	0.208	503	468	615	536	1x185/25	42.5	3050	1000
0.0754	0.0965	0.527	0.342	0.229	576	541	718	630	1x240/25	45.0	3650	1000
0.0601	0.0769	0.510	0.332	0.248	641	608	812	717	1x300/25	47.5	4300	1000
0.0470	0.0602	0.489	0.320	0.276	697	684	904	823	1x400/35	50.5	5450	500
0.0366	0.0468	0.473	0.310	0.301	768	762	1011	929	1x500/35	54.0	6500	500
0.0283	0.0362	0.457	0.301	0.330	858	847	1128	1043	1x630/35	57.5	7850	500



Laying / Installation method:

Linear | ○○○
Triangular | ○○○

