

// 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	: 3.6/6 kV
Min. bending radius	: 15 x D

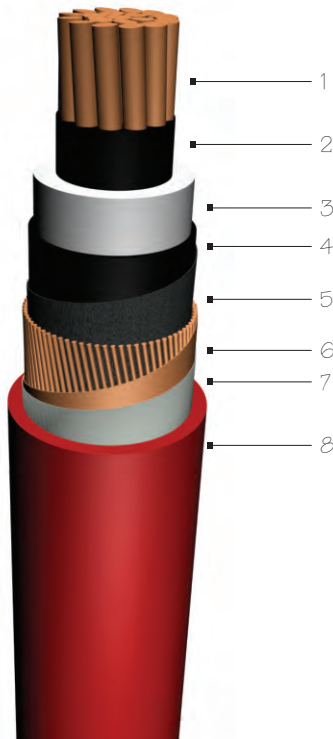
D = Cable outer diameter

// 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 @ 20 °C ₀₀	in Air ₀₀₀ @ 30 °C				
ohm/km	mH/km	mH/km ₀₀₀	mH/km ₀₀	µF/km					mm ²	mm	kg/km	m
0.7270	0.9306	0.683	0.384	0.253	185	154	180	167	1x025/16	20.0	650	1000
0.5240	0.6707	0.657	0.367	0.283	201	191	238	199	1x035/16	21.0	750	1000
0.3870	0.4954	0.632	0.351	0.318	241	227	285	241	1x050/16	22.0	900	1000
0.0268	0.3430	0.601	0.332	0.368	301	227	356	301	1x070/16	24.0	1100	1000
0.1930	0.2470	0.577	0.318	0.414	364	331	435	365	1x095/16	25.5	1400	1000
0.1530	0.1958	0.558	0.308	0.455	424	379	496	419	1x120/16	27.0	1650	1000
0.1240	0.1587	0.541	0.299	0.499	479	422	554	479	1x150/25	28.5	2000	1000
0.0991	0.1268	0.525	0.292	0.544	549	476	637	543	1x185/25	30.5	2400	1000
0.0754	0.0965	0.506	0.284	0.587	640	550	746	640	1x240/25	33.5	2950	1000
0.0601	0.0769	0.490	0.279	0.603	724	619	846	731	1x300/25	36.0	3350	1000
0.0470	0.0602	0.471	0.275	0.642	795	695	941	840	1x400/35	40.0	4650	1000
0.0366	0.0468	0.456	0.270	0.667	883	773	1051	949	1x500/35	43.5	5700	500
0.0283	0.0362	0.440	0.264	0.739	981	856	1180	1076	1x630/35	47.0	6950	500



Laying / Installation method:

Linear | ○○○
Triangular | ○○○

