

// 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	: 12/20 kV or 12.7/22 kV
Min. bending radius	: 15 x D

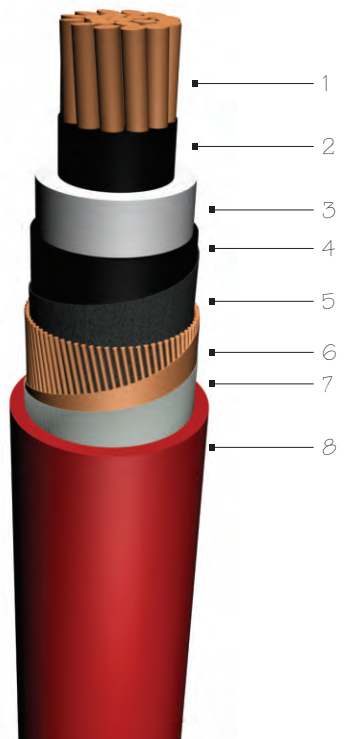
D = Cable outer diameter

// 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	0.696	0.436	0.143	-	-	-	-	1x025/16	26.0	850	1000
0.5240	0.6707	0.670	0.416	0.157	213	189	233	199	1x035/16	27.0	950	1000
0.3870	0.4954	0.644	0.397	0.174	250	223	279	238	1x050/16	28.5	1150	1000
0.0268	0.3430	0.614	0.377	0.197	304	273	347	296	1x070/16	30.0	1400	1000
0.1930	0.2470	0.590	0.360	0.218	361	325	420	358	1x095/16	32.0	1650	1000
0.1530	0.1958	0.571	0.349	0.238	407	368	483	412	1x120/16	34.0	1950	1000
0.1240	0.1587	0.554	0.338	0.258	445	410	540	466	1x150/25	35.0	2350	1000
0.0991	0.1268	0.538	0.329	0.278	498	463	614	534	1x185/25	37.0	2700	1000
0.0754	0.0965	0.518	0.317	0.308	569	534	718	627	1x240/25	39.5	3500	1000
0.0601	0.0769	0.501	0.308	0.336	633	601	813	715	1x300/25	42.0	3900	1000
0.0470	0.0602	0.480	0.298	0.377	689	674	904	819	1x400/35	45.5	5000	1000
0.0366	0.0468	0.464	0.290	0.413	756	750	1011	927	1x500/35	48.5	6000	500
0.0283	0.0362	0.448	0.282	0.455	842	836	1128	1041	1x630/35	52.5	7300	500



Laying / Installation method:

Linear | ○○○
Triangular | ○○○

