

// 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	: 8.7/15 kV
Min. bending radius	: 15 x D

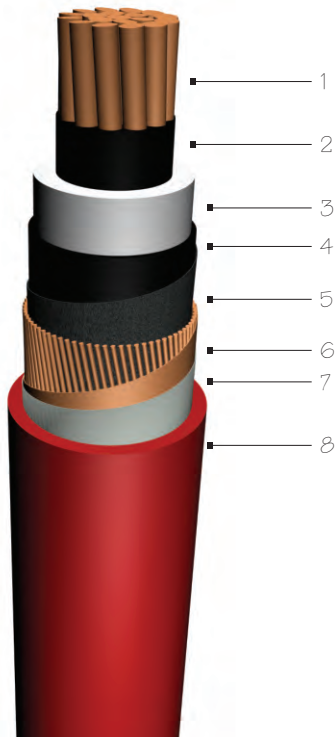
D = Cable outer diameter

// 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	0.692	0.420	0.164	179	157	191	162	1x025/16	24.0	750	1000
0.5240	0.6707	0.666	0.401	0.181	212	187	231	195	1x035/16	25.0	900	1000
0.3870	0.4954	0.640	0.383	0.201	249	220	277	234	1x050/16	26.5	1050	1000
0.0268	0.3430	0.609	0.362	0.229	303	269	345	292	1x070/16	28.0	1300	1000
0.1930	0.2470	0.585	0.346	0.255	358	321	418	354	1x095/16	29.5	1550	1000
0.1530	0.1958	0.567	0.336	0.278	404	364	481	407	1x120/16	31.5	1850	1000
0.1240	0.1587	0.549	0.325	0.302	441	405	537	460	1x150/25	33.0	2200	1000
0.0991	0.1268	0.534	0.317	0.328	493	457	612	527	1x185/25	35.0	2600	1000
0.0754	0.0965	0.514	0.307	0.363	563	528	716	621	1x240/25	37.5	3150	1000
0.0601	0.0769	0.497	0.298	0.398	626	593	811	709	1x300/25	40.0	3750	1000
0.0470	0.0602	0.477	0.289	0.477	676	665	901	815	1x400/35	43.5	4900	1000
0.0366	0.0468	0.461	0.282	0.491	743	739	1006	921	1x500/35	46.5	5900	500
0.0283	0.0362	0.445	0.275	0.543	820	818	1130	1045	1x630/35	50.0	7150	500



Laying / Installation method:

Linear | ○○○
Triangular | ○○○

1st ISSUE

