

// 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	: 20.8/36 kV
Min. bending radius	: 15 x D

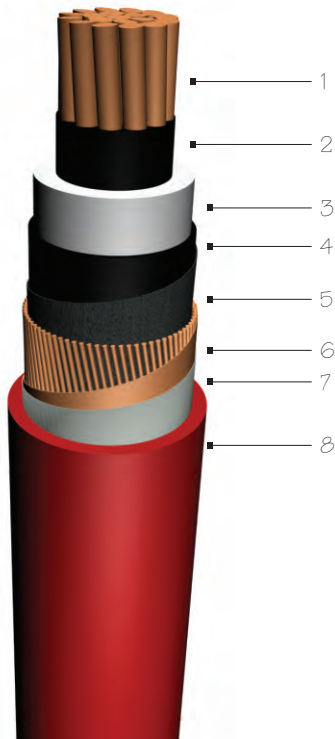
D = Cable outer diameter

// 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	in Ground @ 20 °C ₀₀₀	in Duct @ 20 °C ₀₀	in Air ₀₀₀ @ 30 °C	in Air ₀₀ @ 30 °C	mm ²	mm	kg/km	m
0.7270	0.9306	0.711	0.486	0.105	-	-	-	-	1x025/16	33.5	1200	1000
0.5240	0.6707	0.685	0.464	0.115	214	192	233	202	1x035/16	34.5	1300	1000
0.3870	0.4954	0.659	0.444	0.125	251	226	279	241	1x050/16	36.0	1550	1000
0.0268	0.3430	0.628	0.420	0.140	306	276	348	299	1x070/16	37.5	1800	1000
0.1930	0.2470	0.604	0.402	0.153	363	329	421	362	1x095/16	39.5	2100	1000
0.1530	0.1958	0.585	0.388	0.165	410	373	483	416	1x120/16	41.5	2400	1000
0.1240	0.1587	0.567	0.376	0.178	449	415	540	469	1x150/25	43.0	2850	1000
0.0991	0.1268	0.551	0.365	0.191	503	468	615	536	1x185/25	44.5	3200	1000
0.0754	0.0965	0.531	0.351	0.209	576	541	718	630	1x240/25	47.5	3800	1000
0.0601	0.0769	0.514	0.341	0.226	641	608	812	717	1x300/25	49.5	4500	1000
0.0470	0.0602	0.493	0.328	0.252	697	684	904	823	1x400/35	53.0	5650	500
0.0366	0.0468	0.477	0.318	0.274	768	762	1011	929	1x500/35	56.0	6700	500
0.0283	0.0362	0.460	0.308	0.300	858	847	1128	1043	1x630/35	60.0	8000	500



Laying / Installation method:

Linear | ○○○
Triangular | ○○○

1st ISSUE

