

// 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 aluminum 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 12.7/12 kV
Min. bending radius	: 15 x D

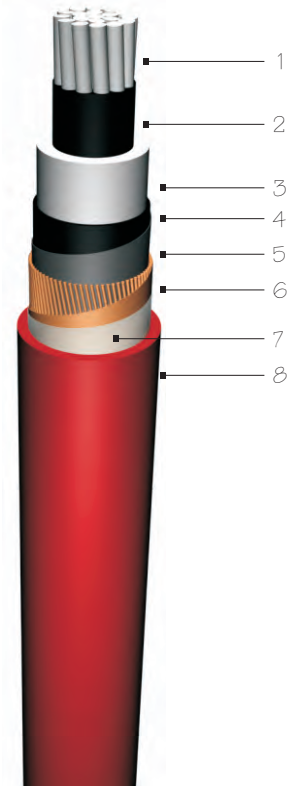
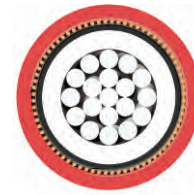
D = Cable outer diameter

// Standards

IEC 60502 | BS 6622 | VDE 0276

// Code

YXC7V-R | NA2XS4 | AL/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 _∞	mH/km _∞		μF/km	in Ground @ 20 °C _∞	in Duct @ 20 °C _∞	in Air _∞ @ 30 °C				
ohm/km	mH/km	mH/km _∞	mH/km _∞	μF/km					mm ²	mm	kg/km	m
1.2000	1.5360	0.696	0.436	0.143	-	-	-	-	1x025/16	26.0	700	1000
0.8680	1.1110	0.670	0.416	0.157	-	-	-	-	1x035/16	27.0	750	1000
0.6410	0.8205	0.644	0.397	0.174	195	173	217	184	1x050/16	28.5	800	1000
0.4430	0.5670	0.614	0.377	0.197	237	211	270	229	1x070/16	30.0	950	1000
0.3200	0.4096	0.590	0.360	0.218	282	252	328	278	1x095/16	32.0	1050	1000
0.2530	0.3238	0.571	0.349	0.238	320	287	378	320	1x120/16	34.0	1200	1000
0.2060	0.2637	0.554	0.338	0.258	353	320	425	363	1x150/25	35.0	1400	1000
0.1640	0.2099	0.538	0.329	0.278	396	362	485	415	1x185/25	37.0	1550	1000
0.1250	0.1600	0.518	0.317	0.308	457	421	573	493	1x240/25	39.5	1800	1000
0.1000	0.1280	0.501	0.308	0.336	511	474	652	563	1x300/25	42.0	2050	1000
0.0788	0.1009	0.480	0.298	0.377	566	538	740	652	1x400/35	45.5	2550	1000
0.0605	0.0774	0.464	0.290	0.413	630	606	838	746	1x500/35	48.5	2900	1000
0.0469	0.0600	0.448	0.282	0.455	719	686	953	850	1x630/35	52.5	3400	1000



Laying / Installation method:

Linear | ∞∞
Triangular | ∞∞

