

**// 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. Filler.
8. PVC outer jacket.

**// Cable Summary**

Max. operating temperature	: 90°C
Max. short circuit temperature	: 250 °C
Rated voltage	: 18/30 kV or 19/33 kV
Min. bending radius	: 15 x D

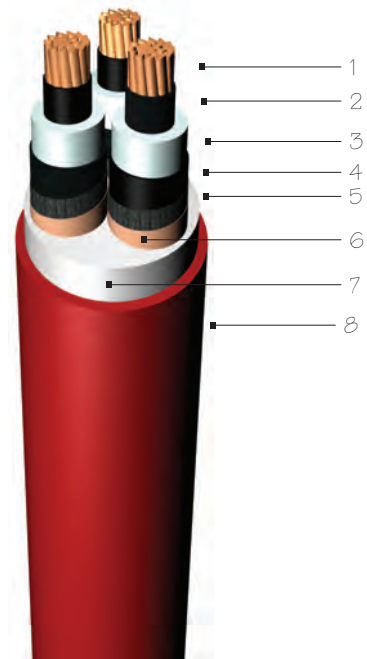
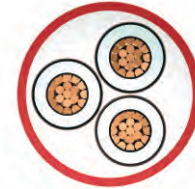
D = Cable outer diameter

**// Standards**

IEC 60502 | BS 6622 | VDE 0276

**// Code**

YAXC8V-R | N2XSEY | CU/XLPE/CTS/PVC  
R: Stranded Conductor Rigid



**Electrical Properties**

DC Conductor Resistance @ 20 °C	Operation Inductance (approx.)	Operation Capacitance (approx.)	Current Carrying Capacity	
			in Ground @ 20 °C	in Air @ 30 °C
ohm/km	mH/km	µF/km		
-	-	-	-	-
0.5240	0.457	0.114	-	-
0.3870	0.434	0.124	214	217
0.2680	0.410	0.137	261	269
0.1930	0.389	0.150	313	326
0.1530	0.372	0.163	356	377
0.1240	0.360	0.174	400	426
0.0991	0.348	0.188	441	488
0.0754	0.331	0.209	510	576
0.0601	0.321	0.226	604	651
0.0470	0.307	0.251	-	-

**Dimensions & Weights**

Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
mm <sup>2</sup>	mm	kg/km	m
-	-	-	-
3x35/16	68.0	5650	500
3x50/16	71.5	6500	500
3x70/16	75.0	7500	500
3x95/16	79.0	8700	500
3x120/16	83.0	9900	500
3x150/25	86.0	11150	250
3x185/25	90.0	12650	250
3x240/25	97.0	15200	250
3x300/25	102.0	17650	250
3x400/35	110.0	21550	200



Laying / Installation method:

Linear | ○○○  
Triangular | ○○○

