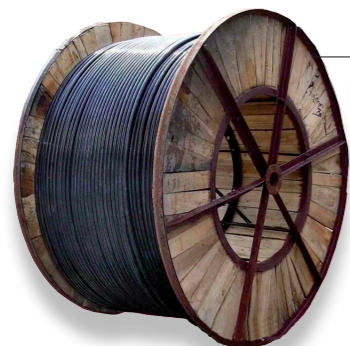


Low voltage twisted insulated cable

Network



U096

Application

This cable is used for low voltage electrical distribution (0.6 / 1kV, 50Hz). The cable comprises a neutral messenger which is twisted with the rest of the conductors. One or several street light conductors are possible, consult us.

Description

- This cable has a working temperature of -60 °C to + 50 °C.
- The minimum installation temperature is -20 °C.
- The maximum allowed conductor temperature is + 90 °C.
- The bend radius of curvature corresponds to 10 times the diameter of the conductor.

This cable meets the criterias of the **NF C 33-209** standard.

Cable (mm ²)	Insulation thickness (mm)		Diameter of the cable (mm)	Weight of the cable (kg/km)	Maximum resistance at 20 ° C	
	Phase	Neutral			Phase	Neutral
3 x 16 + 54.6	1.2	1.6	28	500	1,91	0.63
3 x 25 + 54.6	1.4	1.6	30	530	1.2	0.63
3 x 35 + 54.6	1.6	1.6	33	780	0.868	0.63
3 x 50 + 54.6	1.6	1.6	36	990	0.641	0.63
3 x 70 + 54.6	1.8	1.6	37.5	1140	0.443	0.63
3 x 70 + 70	1.8	1.5	41	1170	0.443	0.50
3 x 25 + 54.6 + 16	1.4	1.6	30	530	1.2	0.63
3 x 35 + 54.6 + 16	1.6	1.6	33	780	0.868	0.63
3 x 50 + 54.6 + 16	1.6	1.6	36	990	0.641	0.63
3 x 70 + 54.6 + 16	1.8	1.6	37.5	1140	0.443	0.63

Code	Designation	Sales unit
NEUTRAL MESSENGER		
U096-3x16+54.6	INSULATED LOW VOLTAGE CABLE 3x16 + 54.6mm ²	Consult us
U096-3x25+54.6	INSULATED LOW VOLTAGE CABLE 3x25 + 54.6mm ²	
U096-3x35+54.6	INSULATED LOW VOLTAGE CABLE 3x35 + 54.6mm ²	
U096-3x50+54.6	INSULATED LOW VOLTAGE CABLE 3x50 + 54.6mm ²	
U096-3x70+54.6	INSULATED LOW VOLTAGE CABLE 3x70 + 54.6mm ²	
U096-3x70+70	INSULATED LOW VOLTAGE CABLE 3x70 + 70mm ²	
NEUTRAL MESSENGER + STREET LIGHT CONDUCTOR		
U096-3x25+54.6+16	INSULATED LOW VOLTAGE CABLE 3x25 + 54.6mm ² + 16mm ²	Consult us
U096-3x35+54.6+16	INSULATED LOW VOLTAGE CABLE 3x35 + 54.6mm ² + 16mm ²	
U096-3x50+54.6+16	INSULATED LOW VOLTAGE CABLE 3x50 + 54.6mm ² + 16mm ²	
U096-3x70+54.6+16	INSULATED LOW VOLTAGE CABLE 3x70 + 54.6mm ² + 16mm ²	

Others dimensions are available, [consult us](#).

Service



U313

Application

This cable is used for the low voltage electricity overhead distribution. The conductor core is aluminum of wired type, covered with XLPE insulation.

Description

- The cable is delivered on wooden drums.
- The cable is available in single phase 2x16mm² and 2x25mm² or three-phases 4x16mm² and 4x25mm² bundles.
- Each conductor is composed of 7 strands.

This cable meets the criteria of the **NF C 33-209** standard.

Nominal section (mm ²)	Nominal insulation thickness (mm)	External diameter (mm)	Approximate weight (kg/km)	Maximum resistance at 20 ° C (Ω/km)
2 x 16	1.20	15	140	1.91
4 x 16	1.20	18	280	1.91
2 x 25	1.40	18	213	1.20
4 x 25	1.40	22	426	1.20

Code	Designation	Sales unit
U305	METER OF TWISTED CABLE 2x16mm ²	Consult us
U306	METER OF TWISTED CABLE 4x16mm ²	
U312	METER OF TWISTED CABLE 2x25mm ²	
U313	METER OF TWISTED CABLE 4x25mm ²	

For implementation of aerial bundled cables, accessories for pulling are available, [consult us](#).