

# Connection aerial bundled conductors 2 and 4 aluminum conductors + pilot wires

## Description

### Phase conductor

① **Core** : circular stranded (class 2) aluminum.

② **Insulation** : black XLPE

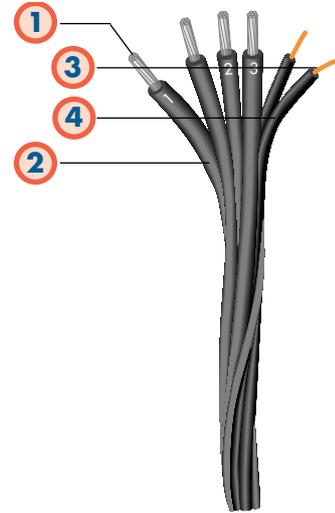
### Control wire

③ **core** : solid, circular copper core

④ **Insulation** : black XLPE

## Markings

- Neutral : 211 NF C 33-209 211 «manufacturing number», «metric marks» ink printed.
- Phase 1, 2, 3 : the identification number is printed and embossed on the insulation.
- Pilot wires :  
n°1 - continuous white line is printed on the insulation;  
n°2 - no marking.



## Electrical Characteristics

- Rated voltage : 0.6/1 kV
- Test voltage : 4 kV AC
- Resistance to voltage surges : 1.2/50µs with a positive or negative polarity and a peak value of 20 kV.

## Correction coefficients

To apply to the intensity in accordance with the air temperature

Ambient temperature °C	10	15	20	25	30	35	40	45	50	60	70
Coefficient	1.17	1.13	1.09	1.04	1.00	0.95	0.91	0.85	0.80	0.67	0.52

## Technical characteristics

Core cross section (mm <sup>2</sup> )	Diameter in mm			Bundled conductors (approx)	Weight (kg/km)	Maximum linear resistance on core at 20 °C (Ω/km)	Maximum linear resistance on core at 20 (Ω/km)	Voltage drop between phases Cos Φ = 0.8 (V/A.km)	Breaking resistance of each core (daN)
	core	on insulation							
	minimum	minimum	maximum						
2 x 16	4.6	7.0	7.8	14.6	131	1.91	93 (1)	3.98	190
2 x 25	5.8	8.6	9.4	17.9	200	1.20	122 (1)	2.54	300
4 x 16	4.6	7.0	7.8	17.6	262	1.91	83 (2)	3.44	190
4 x 25	5.8	8.6	9.4	21.6	400	1.20	112 (2)	2.20	300
4 x 16 + 2 x 1.5	4.6	7.0	7.8	20.0	307	1.91	83 (2)	3.44	190
2 x 25 + 2 x 1.5	5.8	8.6	9.4	19.3	246	1.20	122 (1)	2.54	300
4 x 25 + 2 x 1.5	5.8	8.6	9.4	23.7	446	1.20	112.(2)	2.20	300

(1) single phase

(2) three phase