

Câbles Torsadés Aériens de Branchement

TORSADE BT 4X25 ALU

Nexans Ref.: 56870456600

DESCRIPTION

Application

NF C 33-209 service bundled conductors are used for tributary networks of power buildings and their internal networks.

Characteristics

The bundled conductor cables have aluminum (or copper) conductors, insulated with XLPE, they have good durability and thermal resistance.

Some other important cable characteristics are :

- Ultraviolet radiation resistance,
- Ozone resistance,
- High dielectric strength,
- Light and easy to handle.

Installation

The NF C 11-201 standard's procedures determine the installation procedures for low voltage overhead lines.

These cables are NOT ALLOWED to be buried, even in conduits.

Electrical characteristics

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



STANDARDS

National NF C33-209



Conductor flexibility
Solid



Rated Voltage Uo/U (Um)
0,6/1 kV



Flame retardant
No



Max.conductor temp.in service
90 °C

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

Generated 1/10/25 www.nexans.ma Page 1 / 2

Câbles Torsadés Aériens de Branchement

TORSADE BT 4X25 ALU

CHARACTERISTICS

Construction characteristics

Conductor flexibility	Solid
Conductor material	Aluminum
Conductor shape	Circular
Insulation	XLPE (chemical)
Outer sheath	PE

Dimensional characteristics

Conductor cross-section	25 mm ²
Number of cores	4
Approximate diameter of the bunched cable	22.7 mm
Approximate weight	420 kg/km
Maximum outer diameter	420.0 mm

Electrical characteristics

Max. DC resistance of the conductor at 20°C	1.2 Ohm/km
Permissible current rating in open air	- A
Rated Voltage U _o /U (U _m)	0,6/1 kV
Voltage drop, 3 conductors	2.2 V/A.km

Usage characteristics

Length	1000 m
Packaging	-
Flame retardant	No
Max. conductor temperature in service	90 °C
Short-circuit max. conductor temperature	250 °C