

# Câbles Torsadés Aériens de Branchement

## TORSADE BT 4X16 ALU

Nexans Ref.: 56870452800

### 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 $\mu$ 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**

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## TORSADE BT 4X16 ALU

### CHARACTERISTICS

#### Construction characteristics

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

#### Dimensional characteristics

Conductor cross-section	16 mm <sup>2</sup>
Number of cores	4
Approximate diameter of the bunched cable	18.8 mm
Approximate weight	274 kg/km
Maximum outer diameter	18.8 mm

#### Electrical characteristics

Max. DC resistance of the conductor at 20°C	1.91 Ohm/km
Permissible current rating in open air	- A
Rated Voltage U <sub>o</sub> /U (U <sub>m</sub> )	0,6/1 kV
Voltage drop, 3 conductors	3.44 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