



CONTACT

Building Products Information
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The low-carbon power grid cables for distribution public networks (buried and aerial), 100% manufactured in France (plant Jeumont 59), guarantee a minimum 35% reduction in greenhouse gas emissions compared to standard cables.

This offer is built on the guaranteed use of low-carbon aluminium and recycled plastic, as well as the use of renewable or decarbonised energies in manufacturing the cables.

Nexans provides all the environmental data for its products (PEP Ecopassport®).

STANDARDS

Product NF C33-209

National NF C11-201

APPLICATION

NF C33-209 Network distribution bundled conductors with neutral messenger are designed for rural and urban areas.

Some important cable characteristics are :

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

INSTALLATION

The NF C11-201 standard's procedures determine the installation procedures for low voltage overhead lines.

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



Conductor flexibility
Stranded class 2



Rated Voltage U₀/U (Um)
0,6/1 kV

DESCRIPTION

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

Messenger characteristics

- core : circular stranded in AGS aluminum alloy, cross-section area 54.6 mm²
- Insulation : Black XLPE
- nominal cross section : 54.6 mm²
- core diameter : 9.2 mm to 9.6 mm
- insulated core diameter : min. 12.3 mm, max. 13.0 mm
- min. breaking load : 1660 daN

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.

CHARACTERISTICS

Construction characteristics

Colour	Black
Conductor flexibility	Stranded class 2
Conductor material	Aluminum
Conductor shape	Circular
Insulation	XLPE
Neutral messenger	AAAC - All Alloy Aluminium Conductor

Dimensional characteristics

Number of cores	3
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Electrical characteristics

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

Packaging	Cut to length
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PRODUCT LIST

Nexans Ref.	Country Ref.	Name	Public lighting	Conductor cross-section [mm ²]
 10057508	01384180	FR-N1XD9-AR 3x35 +54.6 NF C33-209	None	35
 10057513	01384190	FR-N1XD9-AR 3x50 +54.6 NF C33-209	None	50
 10057529	01384200	FR-N1XD9-AR 3x70 +54.6 NF C33-209	None	70
 10057509	01384300	FR-N1XD9-AR 3x35 +54.6 +16 NF C33-209	1 x 16 mm ²	35
 10057534	01384320	FR-N1XD9-AR 3x70 +54.6 +16 NF C33-209	1 x 16 mm ²	70
 10057538	01384420	FR-N1XD9-AR 3x70 +54.6 +2x16 NF C33-209	2 x 16 mm ²	70

 = Make to order,  = In stock,

SELLING AND DELIVERY INFORMATION

Marking

- Neutral :

211 NF C33-209 211 « manufacturing number », « metric marks » ink printed.

- Phase 1, 2, 3 :

the identification number is printed and embossed on insulation.

- Public lighting:

«EP1», «EP2 » is printed and embossed on each conductor, «EP3» if three conductors are required.