



## 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 C33-210

## APPLICATION

Low voltage buried cables with standard NF C33-210 for distribution public networks, three conductors + neutral.

## CHARACTERISTICS

The phase conductors are made of solid or stranded circular (class 2) aluminum depending on type.

The neutral conductor made of Core : aluminum stranded circular (class 2) of solid round and sheathed with lead.

The watertightness between the lead sheath is made with a waterproof material.

### Conductors laid up/Filling

The phase conductors and neutral are assembled in a way, which makes them easy to separate to splice with branching wires.

Over phase and neutral conductors, a galvanized steel armour wound in direct the lead sheath. This construction is then sheathed PVC, with high mechanical properties.

Filler PVC material only 50 mm<sup>2</sup>.

### Electrical characteristics

- Rated Voltage : 0.6/1 kV.
- Test Voltage : 3.5 kV for 15 minutes.
- Resistance of the sheath to voltage surges : 1.2/50  $\mu$ s with positive or negative polarity and a peak value of 20 kV.



Conductor flexibility  
Stranded class 2



Rated Voltage U<sub>o</sub>/U (Um)  
0.6/ 1 (1.2) kV



Flame retardant  
C2, NF C 32-070

## CHARACTERISTICS

### Construction characteristics

Outer sheath	PVC
Conductor material	Aluminum
Conductor flexibility	Stranded class 2
Insulation	XLPE (chemical)
Protection	Watertight textile material
Screen	Two semi-lapped galvanized mild steel tapes
Sheath colour	Black





### Electrical characteristics



Rated Voltage U <sub>o</sub> /U (Um)	0.6/ 1 (1.2) kV
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### Usage characteristics

Packaging	Cut to length
Flame retardant	C2, NF C 32-070
Resistant to termites	No

## PRODUCT LIST

Nexans Ref.	Country Ref.	Name	Conductor cross-section [mm <sup>2</sup> ]
 10057259	01416750	H1-XDV-AR 3x50 +50	50
 10044005	01416760	H1-XDV-AS 3x95 +50	95
 10044006	01416780	H1-XDV-AS 3x150 +70	150
 10044007	01416804	H1-XDV-AS 3x240 +95	240

 = Make to order,  = In stock,

## SELLING AND DELIVERY INFORMATION

### Marking

H1 XDV-AS "section" DISTRICABLE ® 211 NF C33-210 «Manufactured number / manufactured year / metric marks/ manufactured date. »