Nexans U-1000 R2V DISTINGO

U-1000 R2V 3G6 C50m



Nexans Ref.: 10216508
EAN 13: 3170230008217

FIRE PERFORMANCE CLASS

Eca

These U-1000 R2V cables with XLPE insulation and PVC outer sheath can be used in all low voltage power installations. Multiconductors cables are adapted to remote control and telecontrol installations. It could be installed outside without protection (UV resistance, AN3 according to NF C 15-100)

STANDARDS

Product IEC 60502-1; NF C32-321

AVANTAGES

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The **Nexans U-1000 R2V** cable family consists of :

- The **Nexans U-1000 R2V DISTINGO NX'TAG** range, manufactured in France, for 1.5 and 2.5mm2 cross-sections, from 3 to 5 conductors, with the same characteristics. A marking zone identifies each cable and its destination during installation.
- The **Nexans U-1000 R2V DISTINGO** range, also manufactured in France, for cross-sections between 6 and 16mm2, from 1 to 5 conductors. The Nexans U-1000 R2V range in MOBIWAY MOB packaging.
- And the **Nexans U-1000 R2V** range, for cross-sections from 25mm2 upwards.

The **Nexans U-1000 R2V DISTINGO** cable makes life easier on site: clever markings make it possible to identify the cross-section, the number of conductors and the remaining length on the reel at a glance.

Advantages of the **Nexans U-1000 R2V DISTINGO** range :

- Metric marking to identify the remaining cable length
- Direct identification of the cross-section on the cable and on the packaging
- UV resistance
- Nexans quality
- Available in Mobiway MOB

CONTACT

Building Products Information
contact.fr@nexans.com

Conductor flexibility **Stranded class 2**

Lead free **Yes**

Rated Voltage Uo/U (Um) **0.6/ 1 (1.2) kV**

Mechanical resistance to impacts **Low**

Cable flexibility **Rigid**

Max.conductor temp.in service **90 °C**

Operating temp. **-25 ... 60 °C**

Weather resistance **No**

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.

INSTALLATION

These cables can be fixed on cable trays, within conduits or fixed to walls, installed outside. They also can be buried directly with extra mechanical protection.

Permissible current and voltage drop are given

a)in free air, sheltered from sun, on cable tray or bracket, on cable ladder, and spaced from the wall, temperature = 30° C.
b) buried with thermal resistivity of the ground 1Km/W, laying depth : 600 mm, temperature = 20°C.

If conditions are differents, apply correction factors from NF C 15-100 standard or equivalent national standard

Voltage drop

Calculated with cosj = 0,8

MARKING

S.Y. + NF - USE Factory n° U-1000 R2V n (x or G) s mm²

- n = number of cores
- s = section in mm²
- G = with Green-Yellow
- x = without Green-Yellow

For DISTINGO™, metric marking METRIUM™

·For packed drums, the length can be directly read ·For coil and other drums (from cut to length), remaining length is easily calculated. For coil, make the difference between external and internal extremity; for drums make the difference between indication on sticks and external extremity.

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CHARACTERISTICS

Construction characteristics	
Conductor flexibility	Stranded class 2
Conductor material	Bare copper
With Green/Yellow core	Yes
Insulation	XLPE
Outer sheath	PVC
Sheath colour	Black
With smaller neutral conductor	No
Conductor shape	Circular
Lead free	Yes
Dimensional characteristics	
Number of cores	3
Conductor cross-section	6 mm²
Approximate weight	- kg/km
Maximum outer diameter	- mm
Neutral conductor section (when smaller)	- mm²
Electrical characteristics	
Rated Voltage Uo/U (Um)	0.6/ 1 (1.2) kV
Max. DC resistance of the conductor at 20°C	- Ohm/km
Permissible current rating in open air	50 A
Permissible current rating when buried	- A
Voltage drop, 3 conductors	- V/A.km
Voltage drop, single phase	- V/A.km
Mechanical characteristics	
Mechanical resistance to impacts	Low
Cable flexibility	Rigid
Usage characteristics	
Range	U-1000 R2V
Max. conductor temperature in service	90 °C
Short-circuit max. conductor temperature	250 °C
Operating temperature, range	-25 ... 60 °C
Weather resistance	No
Chemical resistance	Accidental
Water proof	Intermittent
Packaging	-
Length	- m
Laying operation bending radius	- mm
Minimum static operating bending radius	- mm
U.V resistance	AN3

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ENVIRONMENTAL DATA

This product is part of the **low carbon** range of Nexans : a selection of products ensuring the reduction of the carbon footprint and subject to rigourous ecodesign criteria.

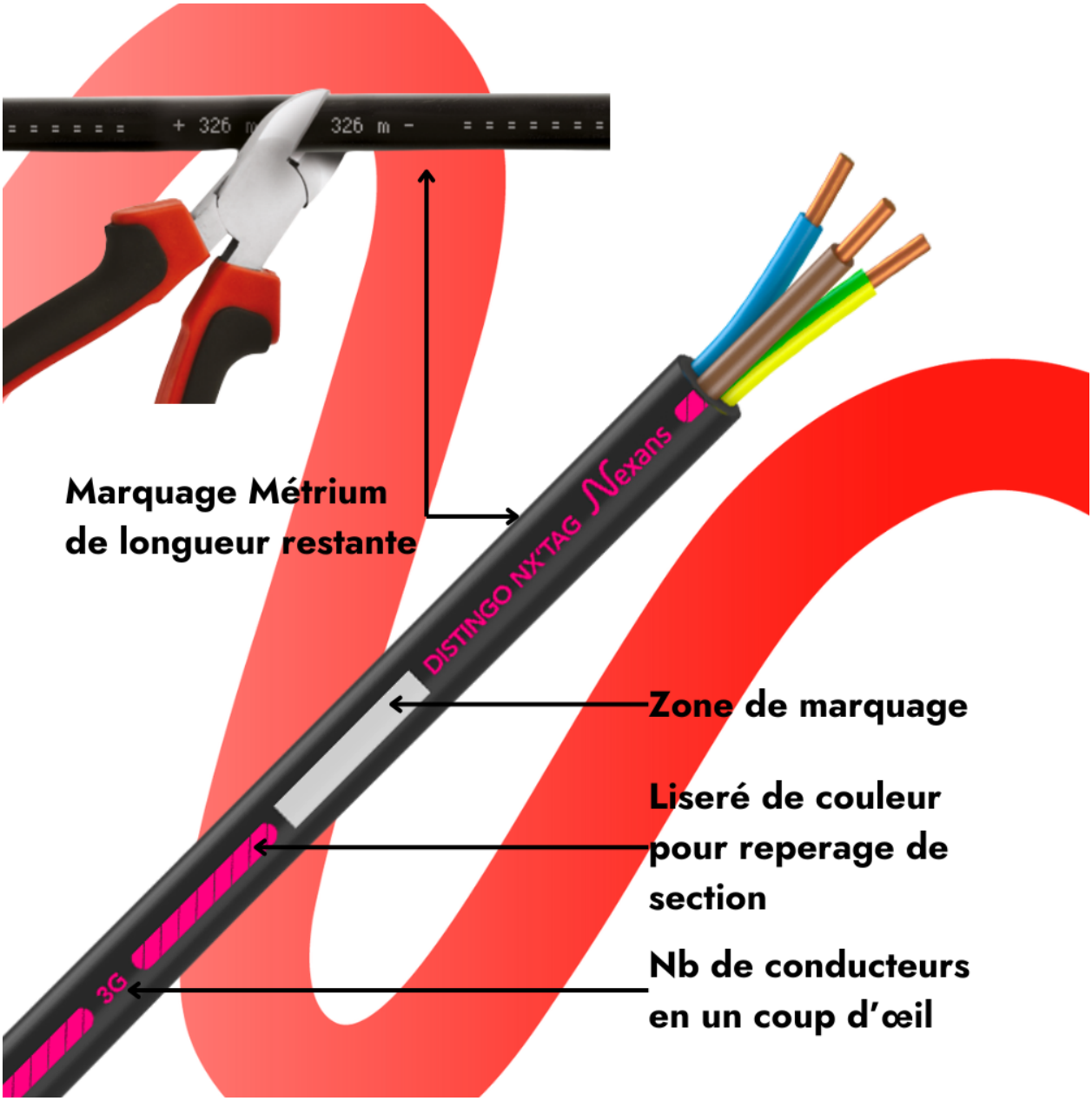
Nexans Low Carbon Selection Criteria: minimum integration of 10% recycled copper or aluminum and/or 100% low-carbon aluminum sourcing.

Global Carbon Footprint	
Amount of CO_2 emitted Cradle to Gate phase (raw material collection and manufacturing), for the production of 1 km of cable.	**801.4 kg eq. CO_2**
Recycled copper ratio	
Percentage of recycled metal in the cable conductor.	**10%**
Recycled plastic ratio	
Percentage of recycled plastic contained in the insulation.	**30%**
Manufacturing site	
Manufactured in France	**La Verpillière**

Environmental information coming from Nexans' Product Environmental Profile (PEP Ecopassport®)

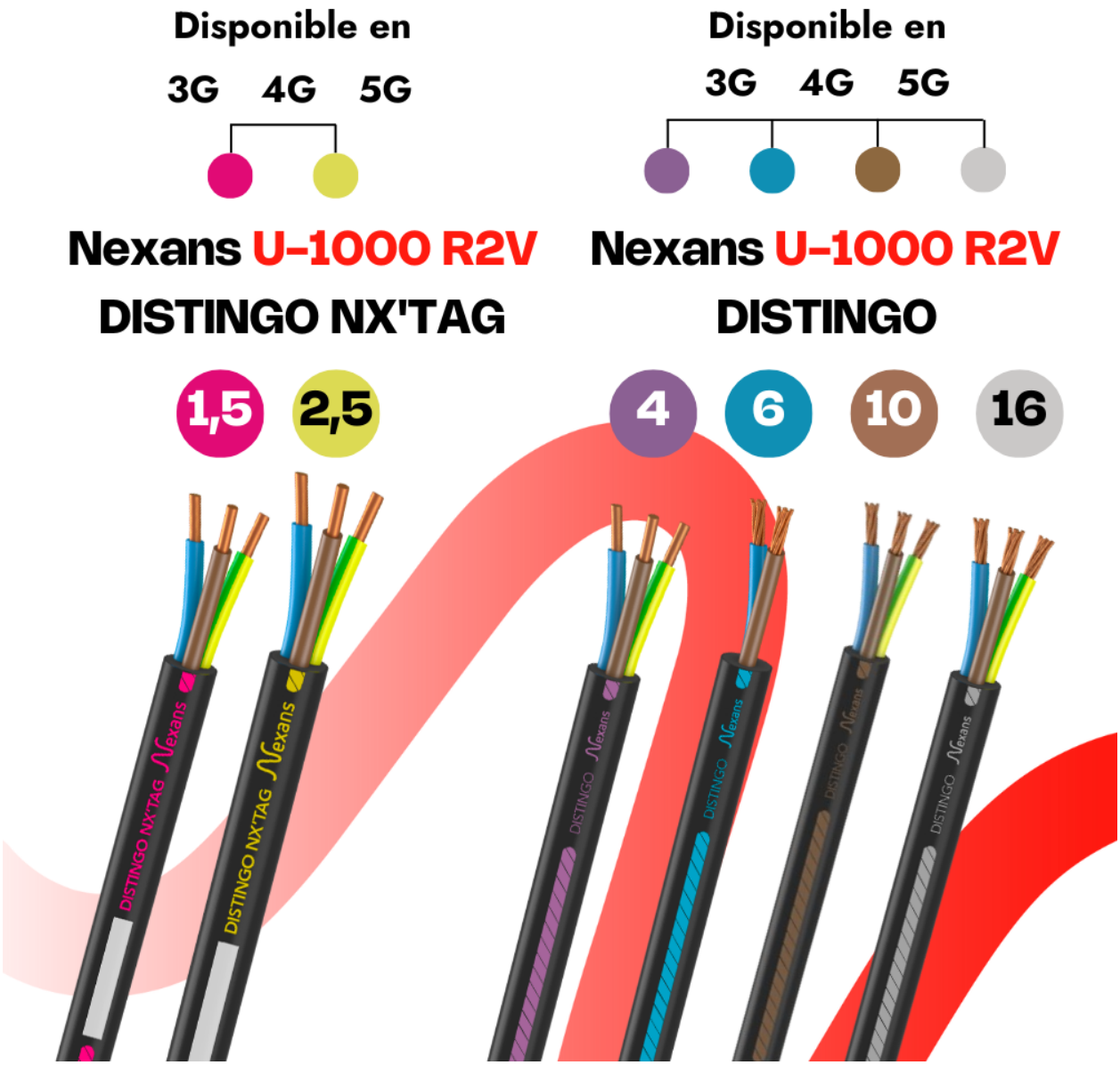
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LES + DE LA GAMME NEXANS U-1000 R2V DISTINGO NX'TAG



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FOR EACH CROSS-SECTION, A COLOUR



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AVAILABLE IN MOBIWAY MOB DRUM



DISTINGO RANGE

Tirage sur les conducteurs des câbles

Lors du tirage des câbles, tous les conducteurs participent à l'effort de manière identique. La force maximale de traction ne doit en aucun cas dépasser 5 daN/mm² de section globale (1.5 et 2.5mm²).

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NEXANS EASYCALC, L'OUTIL GRATUIT DE CALCUL DE SECTION DE CÂBLE

Nexans EasyCalc

L'outil gratuit de calcul de section de câble

Nexans EASYCALC™ est un programme fiable pour le calcul de la section des câbles.

C'est un outil gratuit conçu pour le professionnel, tels que les électriciens, les installateurs, les ingénieurs, etc. qui vous permet de calculer simplement la section d'une longueur de câble.

Nexans EasyCalc est disponible via notre site web ou via notre application mobile

Scannez ici



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