



Rigid and semi-rigid cables for industrial installations. Family product which integrates the new RV 0.6/1Kv cables for sections from 1.5 to 2.5mm<sup>2</sup>, from 3 to 5 conductors. Almost all RV cables are manufactured in France More information on [www.nexans.fr](http://www.nexans.fr)

## STANDARDS

**Product** IEC 60502-1

## APPLICATION

These RV 0.6/1Kv 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.

METRIUM™ metric marking is available for all packaging in coil)

## 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.

## Marking

NEXANS Factory n° RV 0.6/1kV n (G) s mm<sup>2</sup> IEC 60502 90° Eca

- n = number of cores
- s = section in mm<sup>2</sup>
- G = with Green-Yellow

## 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 different, apply correction factors from NF C 15-100 standard or equivalent national standard

## Voltage drop

Calculated with  $\cos \varphi = 0,8$



Lead free  
Yes



Rated Voltage U<sub>0</sub>/U (Um)  
0.6/ 1 (1.2) kV



Operating temp.  
-15 ... 90 °C



Flame retardant  
C2, NF C 32-070



Chemical resistance  
Accidental



Water proof  
Intermittent

## CHARACTERISTICS

### Construction characteristics

Conductor material	Bare copper
Insulation	XLPE
Outer sheath	PVC
With Green/Yellow core	Yes
Conductor shape	Circular
Lead free	Yes

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	0.6/ 1 (1.2) kV
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### Usage characteristics

Operating temperature, range	-15 ... 90 °C
Flame retardant	C2, NF C 32-070
Chemical resistance	Accidental
Water proof	Intermittent
Packaging	Coil

## PRODUCT LIST

Nexans Ref.	Country Ref.	Name	Number of cores	Conductor cross-section [mm²]
☎ 10277030	-	RV 0.6/1 KV 3G1.5 CREAM R100 P4.2 Km	3	1.5
☎ 10277031	-	RV 0.6/1 KV 3G2.5 CREAM R100 P3.6 Km	3	2.5
☎ 10277150	-	RV 0.6/1 KV 5G1.5 CREAM R100 P3Km	5	1.5
☎ 10277151	-	RV 0.6/1 KV 5G2.5 CREAM R100 P2.4Km	5	2.5

☎ = Make to order, 📦 = In stock,