



### CONTACT

Market information  
 industryprojects.business@lynxeogroup.com

**International Designation:** NSA 935 308 YU 10\*

150°C Operating Temperature  
 Flexible Aluminium Alloy Conductor  
 Single Core Large Sizes

### STANDARDS

International NSA 307110; NSA 935000; NSA 935308 YU

### CABLE DESIGN

#### CONDUCTOR

A Stranded Conductor  
 Made of Aluminium Alloy

#### INSULATION

3 polyimide tapes

#### EXTERNAL PROTECTION

An Aromatic Polyamide Braid Impregnated with a Non Flammable Varnish

### IDENTIFICATION

**By colored threads between polyimide tapes and external braid:**

**Manufacturer colour : Black + Grey = Nexans**

**Manufacturing year : Blue + Brown = 2014**

\*Dimensional characteristics: AWG not defined in NSA specification, values obtained by extension with defined construction

## CHARACTERISTICS

### Construction characteristics

Conductor material	Stranded Conductor: Aluminium Alloy
Insulation	3 Polyimide tapes
Protection	Aromatic Polyamide Braid impregnated with a non flammable varnish



Operating temp.  
 -55 ... 150 °C



Oil resistance  
 Very good resistance to aircraft fluids

**Dimensional characteristics**

Conductor cross-section (AWG/KCMIL)	12
Conductor diameter (mm)	2.9 ± 0.20
Conductor stranding	27 x 0.51
Maximum cable diameter	4 mm
Maximum weight	26 g/m
Minimum cable diameter	3.6 mm
Number of strands missing allowed	0

**Electrical characteristics**

Operating voltage	600 V
Maximal operating frequency	0.002 MHz
Max. DC resistance of the conductor at 20°C	5.8 Ohm/km

**Usage characteristics**

Operating temperature, range	-55 ... 150 °C
Oil resistance	Very good resistance to aircraft fluids
RoHS conform	-

**SELLING AND DELIVERY INFORMATION**

By colored threads between polyimide tapes and external braid:

Manufacturer colour : Black + Grey = Nexans

Manufacturing year : Blue + Brown = 2014



Operating temp.  
-55 ... 150 °C



Oil resistance  
Very good resistance to aircraft fluids