



**Reference:** ABS 1356 VND 18  
**Country Ref.:** 10142977

### CONTACT

Market information  
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**International Designation:** ABS 1356 VNC 18 AWG

**Designed for general purpose aircraft wiring applications.**

Screened and Jacketed Single and Multicores  
UV Laser Printable

### STANDARDS

**Product** ABS 1356

**Test** prEN 3475

### DESIGN CONSTRUCTION

#### CONDUCTOR

1, 2, 3 or 4 cores ABS 0949 AD

Nickel Copper Clad Aluminium

#### SCREEN

Nickel-plated copper spiral screen

#### JACKET

Polymide tape  
UV PTFE tape

### CORE IDENTIFICATION COLOURS

#### CORE

- 1 core (VNA) : Grey
- 2 cores (VNB) : Red - Blue
- 3 cores (VNC) : Red - Blue - Yellow
- 4 cores (VND) : Red - Blue - Yellow - Green

**Marking text :** " ADA \*\* FR F++ "

### JACKET IDENTIFICATION

Colour of marking : Grey

**Marking text :** " XXX \*\* FR F++ "

Colour : Green for AWG 22, 18, 14 and 10 - Blue for AWG 24, 20, 16 and 12



Operating temp.  
-65 ... 180 °C



Oil resistance  
Very good resistance to aircraft fluids



RoHS compliant  
Yes

**CHARACTERISTICS****Construction characteristics**

Conductor material	Nickel Copper Clad Aluminum
Core identification	Red, Blue, Yellow, Green
Insulating material	-
Jacket color	Grey
Jacket material	Polyimide tape, UV PTFE tape
Number of conductors	4
Screen	Nickel plated copper spiral screen

**Dimensional characteristics**

Nominal outer diameter	4.29 mm
Conductor cross-section (AWG/KCMIL)	18
Screen strands nominal diameter	0.12 mm
Maximum weight	36.22 g/m
Conductor stranding	-
Maximum outer diameter	4.46 mm
Nominal weight	33.83 g/m
Number of cores	4

**Electrical characteristics**

Maximal operating frequency	0.0002 MHz
Maximum DC resistance at 20°C	34.2 Ohm/100m
Operating voltage	600 V

**Usage characteristics**

Operating temperature, range	-65 ... 180 °C
Oil resistance	Very good resistance to aircraft fluids
Arc tracking resistant	Yes
RoHS compliant	Yes

**SELLING AND DELIVERY INFORMATION****IDENTIFICATION**

**Core marking in black**ADA \*\* FR F++

**Jacket marking**

XXX \*\* FR F++

Color : Green for AWG 22, 18, 14 and 10 ; Blue for AWG 24, 20, 16 and 12

with :

XXX= Short designation (VNA, VNB, VNC, VND)

\*\* = AWG

FR = Country of origin (FR = France)

F = Manufacturer (F = Lynxéo)

++ = Year of production (i.e. 08 = 2008)