



**Reference:** ABS 1356 VNB 20

### CONTACT

Market information  
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**International Designation:** ABS 1356 VNA 20 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
Insulating material	-
Jacket color	Grey
Jacket material	Polyimide tape, UV PTFE tape
Number of conductors	2
Screen	Nickel plated copper spiral screen

**Dimensional characteristics**

Nominal outer diameter	3.11 mm
Conductor cross-section (AWG/KCMIL)	20
Screen strands nominal diameter	0.1 mm
Maximum weight	14.88 g/m
Conductor stranding	-
Maximum outer diameter	3.27 mm
Nominal weight	14.31 g/m
Number of cores	2

**Electrical characteristics**

Maximal operating frequency	0.0002 MHz
Maximum DC resistance at 20°C	51.1 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)