



Reference: ABS 1356 VNC 18
Country Ref.: 10251148

CONTACT

Market information
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International Designation: ABS 1356 VNB 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 |
| Insulating material | - |
| Jacket color | Grey |
| Jacket material | Polyimide tape, UV PTFE tape |
| Number of conductors | 3 |
| Screen | Nickel plated copper spiral screen |

Dimensional characteristics

| | |
|-------------------------------------|-----------|
| Nominal outer diameter | 3.89 mm |
| Conductor cross-section (AWG/KCMIL) | 18 |
| Screen strands nominal diameter | 0.12 mm |
| Maximum weight | 28.8 g/m |
| Conductor stranding | - |
| Maximum outer diameter | 4.05 mm |
| Nominal weight | 26.89 g/m |
| Number of cores | 3 |

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 blackADA ** 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)