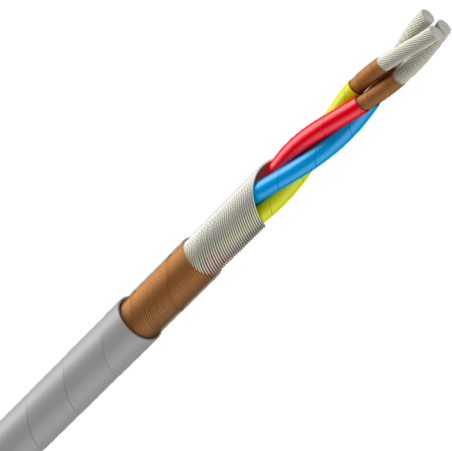




Reference: ABS 1356 VND 18
Country Ref.: 10142977

CONTACT

Market information
industryprojects.business@lynx
ogroup.com

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

ELECTRICAL AND HIGH FREQUENCY PERFORMANCES

Voltage rating : 600 Volts RMS at sea level,

Usual Aerospace application are using 115 volts (Phase to neutral)

And 200 Volts (Phase to phase) 400 Hz AC or 29 Volts DC.

Maximum operating frequency: 2000Hz

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)