



**Reference:** ABS 0949 AD 18  
**Country Ref.:** 1025188

### CONTACT

Market information  
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**International Designation:** ABS 0949 AD 18

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

Nickel Copper Clad Aluminium Alloy Conductors, UV laser printable

### STANDARDS

**Product** ABS 0958; ABS 0949 AD

### DESIGN CONSTRUCTION

#### CONDUCTOR

- AWG 24 and 22
- 1 nickel plated copper alloy wire
- + 6 nickel copper clad aluminium alloy wire
- AWG 20 to 8
- Nickel copper clad aluminium alloy concentric conductor
- AWG 6 and 4
- Nickel copper clad aluminium alloy rope-lay conductor

#### INSULATION

- High performance polyimide tape
- Special UV PTFE tape

#### STANDARDS

International EN3475  
 National ABS 0958, ABS 0949 AD

### IDENTIFICATION

- Standard colour : Grey

Colour of marking : Green for AWG22, Blue for other gauges

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

\*\* = AWG

FR = Country of origin (FR = France)

F = Manufacturer (F = Lynx<sup>eo</sup>)

++ = Year of production (i.e. 25 = 2025)



Operating temp.  
 -60 ... 180 °C



Oil resistance  
 Very good resistance to aircraft fluids



RoHS compliant  
 Yes

## CHARACTERISTICS

### Construction characteristics

Core identification	-
Insulation colour	-
Insulating material	-
Conductor material	1 nickel plated copper alloy wire + 6 nickel copper clad aluminium alloy wire

### Dimensional characteristics

Maximum cable diameter	1.61 mm
Minimum cable diameter	1.46 mm
Maximum core diameter	1.22 mm
minimum core diameter	1.19 mm
Maximum outer diameter	- mm
Nominal outer diameter	- mm
Conductor cross-section (AWG/KCMIL)	18
Number of cores	-
Conductor stranding	19 x 0.25
Maximum weight	5.45 g/m
Nominal weight	5.14 g/m

### Electrical characteristics

Operating voltage	600 V
Maximal operating frequency	0.002 MHz
Max. DC resistance of the conductor at 20°C (Ohm/km)	-
Maximum DC resistance at 20°C	33.2 Ohm/100m

### Usage characteristics

Operating temperature, range	-60 ... 180 °C
Oil resistance	Very good resistance to aircraft fluids
Arc tracking resistant	Yes
RoHS compliant	Yes



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RoHS compliant  
Yes