



**Reference:** ABS 0949 AD 1 A  
**Country Ref.:** 10277589

### CONTACT

Market information  
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**International Designation:** ABS 0949 AD 3

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

Nickel Platted Aluminium Alloy Conductors  
 UV laser printable.

### STANDARDS

**Product** ABS 0958; ABS 0949 AD

**Test** prEN 3475

### DESIGN CONSTRUCTION

#### CONDUCTOR

Nickel plated aluminium rope-lay conductor

#### INSULATION

High performance polyimide tape  
 Special UV PTFE tape

### IDENTIFICATION

Standard color: Grey

Color of marking : Blue

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

\*\* = AWG

FR = Country of origin (FR = France) F = Manufacturer (F = Lynxéo) ++ = Year of production (i.e. 14 = 2014)

## CHARACTERISTICS

### Construction characteristics

Conductor material	Nickel copper clad aluminium alloy rope-lay conductor
Insulation	High performance polyimide tape, Special UV PTFE Tape

### Dimensional characteristics

Minimum cable diameter	8.94 mm
Maximum cable diameter	9.5 mm



Operating temp.  
 -60 ... 180 °C



Oil resistance  
 Very good resistance to aircraft fluids



RoHS compliant  
 Yes

### Dimensional characteristics

Conductor cross-section (AWG/KCMIL)	3
Maximum weight	143.5 g/m
Conductor stranding	-
Maximum outer diameter	8.9 mm
Minimum outer diameter	8.3 mm
Nominal weight	139.17 g/m

### Electrical characteristics

Operating voltage	600 V
Maximal operating frequency	0.0002 MHz
Max. DC resistance of the conductor at 20°C	0.75 Ohm/km

### Usage characteristics

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



Operating temp.  
-60 ... 180 °C



Oil resistance  
Very good resistance to aircraft fluids



RoHS compliant  
Yes