



**Reference:** ABS 0949 AD 12  
**Country Ref.:** 10251104

## CONTACT

Market information  
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**International Designation:** ABS 0949 AD 12

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

Nickel Copper Clad Aluminium Alloy Conductors, UV laser printable

## STANDARDS

**Producto** 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 = Lynxéo)

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



Temp. ambiente de utilización  
 -60 ... 180 °C



Resistencia a aceites  
 Very good resistance to aircraft fluids



Acorde con normativa RoHS  
 Si

## CHARACTERISTICS

### Características de construcción

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

### Características dimensionales

Maximum cable diameter	2,7 mm
Minimum cable diameter	2,5 mm
Maximum core diameter	2,18 mm
minimum core diameter	2,13 mm
Diámetro exterior máximo	- mm
Diámetro exterior nominal	- mm
Galga (AWG)	12
Número de conductores	-
Conductor stranding	37 x 0.32
Maximum weight	15,1 g/m
Nominal weight	14,12 g/m

### Características eléctricas

Tensión de operación	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	10,9 Ohm/100m

### Características de uso

Temperatura ambiente de utilización (rango)	-60 ... 180 °C
Resistencia a aceites	Very good resistance to aircraft fluids
Arc tracking resistant	Yes
Acorde con normativa RoHS	Si



Temp. ambiente de utilización  
-60 ... 180 °C



Resistencia a aceites  
Very good resistance to aircraft fluids



Acorde con normativa RoHS  
Si