



Reference: ABS 0949 AD 10
Country Ref.: 10064810

CONTACT

Market information
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International Designation: ABS 0949 AD 10

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^{eo})

++ = 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 | 3.33 mm |
| Minimum cable diameter | 3.09 mm |
| Maximum core diameter | 2.77 mm |
| minimum core diameter | 2.73 mm |
| Maximum outer diameter | - mm |
| Nominal outer diameter | - mm |
| Conductor cross-section (AWG/KCMIL) | 10 |
| Number of cores | - |
| Conductor stranding | 61 x 0.32 |
| Maximum weight | 24.02 g/m |
| Nominal weight | 22.2 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 | 5.8 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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-60 ... 180 °C



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Very good resistance to aircraft fluids



RoHS compliant
Yes