



Reference: ABS 0949 AD 20

CONTACT

Market information
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International Designation: ABS 0949 AD 20

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 = Lynxéo)

++ = 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	1.34 mm
Minimum cable diameter	1.22 mm
Maximum core diameter	0.97 mm
minimum core diameter	0.94 mm
Maximum outer diameter	- mm
Nominal outer diameter	- mm
Conductor cross-section (AWG/KCMIL)	20
Number of cores	-
Conductor stranding	19 x 0.20
Maximum weight	3.65 g/m
Nominal weight	3.55 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	49.6 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