



### CONTACT

Market information  
[industryprojects.business@lynxeogroup.com](mailto:industryprojects.business@lynxeogroup.com)

**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

## Electrical characteristics

Operating voltage	600 V
Maximal operating frequency	0.002 MHz

## Usage characteristics

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

## PRODUCT LIST

Reference	Country Ref.	Conductor stranding	Min. cable diam. [mm]	Max. cable diam. [mm]	Max. DC resist at 20°C [Ohm/100m]	minimum core diameter [mm]	Max. core diam. [mm]	Nominal weight [g/m]	Max. weight [g/m]
ABS 0949 AD 24	10064806	7 x 0.20	0.85	0.96	145	0.56	0.58	1.7	1.75
ABS 0949 AD 22	-	7 x 0.25	1	1.1	90.2	0.71	0.73	2.37	2.5
ABS 0949 AD 6	10251071	7 x 10 x 0.51	5.3	5.7	2.3	4.8	5.2	62.52	63.7
ABS 0949 AD 4	10064812	7 x 15 x 0.51	6.6	7.4	1.5	5.9	6.3	93.5	96.3
ABS 0949 AD 8	10064811	7 x 19 x 0.30	4.1	4.4	3.8	3.55	3.85	37.94	39
ABS 0949 AD 20	-	19 x 0.20	1.22	1.34	49.6	0.94	0.97	3.55	3.65
ABS 0949 AD 18	1025188	19 x 0.25	1.46	1.61	33.2	1.19	1.22	5.14	5.45
ABS 0949 AD 16	10142968	19 x 0.30	1.76	1.92	23	1.41	1.45	7.37	7.6
ABS 0949 AD 14	10064807	37 x 0.25	2.04	2.24	15.5	1.69	1.73	9.91	10.94
ABS 0949 AD 12	10251104	37 x 0.32	2.5	2.7	10.9	2.13	2.18	14.12	15.1
ABS 0949 AD 10	10064810	61 x 0.32	3.09	3.33	5.8	2.73	2.77	22.2	24.02



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RoHS compliant  
Yes