



民用飞机、军用飞机和直升机的连接线

Designed for general purpose aircraft wiring applications.

Nickel Copper Clad Aluminium Alloy Conductors, UV laser printable

Description

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 prEN 3475

National ABS 0958; ABS 0949 AD

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
Flame retardant	FAR/JAR part 25 sec 25.869 (a)(4) Appendix F part 1 (3)
Arc tracking resistant	Yes
RoHS conform	Yes



Operating temp. range
-60 .. 180 °C



Oil resistance
Very good resistance to aircraft fluids



Flame retardant
FAR/JAR part 25 sec 25.869 (a)(4) Appendix F part 1 (3)



RoHS conform
Yes

ABS 0949 - AD AWG 24 to 4

Nexans references	AWG	Conductor			Finished wire				
		Stranding (nb x mm)	Diameter (mm)		Maximum DC Resistance at 20°C (68°F) (Ohms/km)	Diameter (mm)		Weight (g/m)	
			Mini.	Max.		Mini.	Max.	Nom.	Max.
ABS 0949 AD 24	24	7 x 0.20	0.56	0.58	145	0.85	0.96	1.70	1.75
ABS 0949 AD 22	22	7 x 0.25	0.71	0.73	90.2	1.00	1.10	2.37	2.50
ABS 0949 AD 20	20	19 x 0.20	0.94	0.97	49.6	1.22	1.34	3.55	3.65
ABS 0949 AD 18	18	19 x 0.25	1.19	1.22	33.2	1.46	1.61	5.14	5.45
ABS 0949 AD 16	16	19 x 0.30	1.41	1.45	23	1.76	1.92	7.37	7.60
ABS 0949 AD 14	14	37 x 0.25	1.69	1.73	15.5	2.04	2.24	9.91	10.94
ABS 0949 AD 12	12	37 x 0.32	2.13	2.18	10.9	2.50	2.70	14.12	15.10
ABS 0949 AD 10	10	61 x 0.32	2.73	2.77	5.8	3.09	3.33	22.20	24.02
ABS 0949 AD 8	8	7 x 19 x 0.30	3.55	3.85	3.8	4.10	4.40	37.94	39.00
ABS 0949 AD 6	6	7 x 10 x 0.51	4.8	5.2	2.3	5.30	5.70	62.52	63.70
ABS 0949 AD 4	4	7 x 15 x 0.51	5.90	6.30	1.5	6.60	7.40	93.50	96.30

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 = Nexans)

++ = Year of production (i.e. 14 = 2014)



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fluids



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