

PF, QF, RF Series

Wires specification: ASNE 0264, ASNE0266, ASNE0268, EN2266-003B/C/D



Retrofit airframe wires, 200°C, assembly of ASNE0261 CF-wires

Retrofit airframe wires and cables for commercial aircraft and helicopters.



Cable characteristics



-55 +200°C



Excellent



FAR25_ ABD0031

Environmental

- Operating temperature: -55°C to 200°C (ambient temperature + current heating)
- Resistant to: Aircraft fluids (oils, hydrocarbons, kerosene, skydrols...), Chemical agents

Electrical

- Maximum operating voltage: 600 Vac at sea level
- Operating frequency: up to 2000Hz

Cable design



1. Stranded conductor: Nickel-coated Copper Alloy (AWG 26 & 24) and Nickel-coated Annealed Copper (AWG 22 to 10)
2. Polyimide tape
3. PTFE top coat

Identification

- 1 wire: Red with White Identification
- 2 wires: Red + Light Blue with Dark Green Identification
- 3 wires: Red + Light Blue + Yellow with Dark Green Identification
- 4 wires: Red + Light Blue + Yellow + Green with White Identification

Marking (example)

CF yy A FR A zz
1 2 3 4 5

e.g. CF 24 A FRA 23

1. Short Designation
2. Gauge
3. Country of Origin
4. Manufacturer (A: Draka)
5. Manufacturing Year

Specifications

Wires Specifications

- AEROSPATIALE:
N°462.012/84
ASNE 0261 (CF) for wires
ASNE 0264 (PF) for 2 wires
ASNE 0266 (QF) for 3 wires
ASNE 0268 (RF) for 4 wires
NSA 935000 identification standard, marking
- Analogy of construction in AECMA standard:
Technical specification: EN2084
Wire specification: EN2266-003

Compliant to ABD0031

Flammability, Smoke and Toxicity requirements and 14 CFR FAR25-1713

Dimensional

Short designation	Number of wires CF-A	Conductors		AWG*	Linear resistance max. at 20°C		Outer diameter (single conductor)				Outer diameter assembly max.		Weight max.	
		Stranding	Nom. cross section				min.		max.					
		nb x Ømm	mm²		Ω/km	Ω/1000ft	mm	inch	mm	inch	mm	inch	kg/km	Lbs/1000ft
PF26	2	19 x 0.10	0.15	26	164.8	48.77	0.75	0.0295	0.84	0.0331	1.56	0.0614	4.12	2.769
PF24	2	19 x 0.12	0.21	24	117.50	34.75	0.85	0.0335	0.94	0.0370	1.76	0.0693	5.46	3.669
PF22	2	19 x 0.15	0.34	22	61.8	18.29	0.98	0.0386	1.09	0.0429	2.06	0.0811	8.03	5.396
PF20	2	19 x 0.20	0.60	20	34.2	10.12	1.22	0.0480	1.34	0.0528	2.56	0.1008	13.49	9.065
PF18	2	19 x 0.25	0.93	18	21.7	6.43	1.45	0.0571	1.59	0.0626	3.06	0.1205	20.39	13.701
PF16	2	19 x 0.30	1.34	16	15.00	4.42	1.70	0.0669	1.84	0.0724	3.56	0.1402	28.63	19.238
PF14	2	37 x 0.25	1.82	14	11.23	3.32	1.93	0.0760	2.10	0.0827	4.06	0.1598	38.11	25.609
PF12	2	37 x 0.32	2.98	12	7.00	2.07	2.41	0.0949	2.60	0.1024	5.04	0.1984	61.18	41.111
PF10	2	61 x 0.32	4.91	10	4.23	1.25	3.03	0.1193	3.25	0.1280	6.32	0.2488	99.50	66.861
QF26	3	19 x 0.10	0.15	26	164.8	48.77	0.75	0.0295	0.84	0.0331	1.68	0.0661	6.18	4.153
QF24	3	19 x 0.12	0.21	24	117.50	34.75	0.85	0.0335	0.94	0.0370	1.89	0.0744	8.19	5.503
QF22	3	19 x 0.15	0.34	22	61.8	18.29	0.98	0.0386	1.09	0.0429	2.21	0.0870	12.05	8.097
QF20	3	19 x 0.20	0.60	20	34.2	10.12	1.22	0.0480	1.34	0.0528	2.75	0.1083	20.24	13.601
QF18	3	19 x 0.25	0.93	18	21.7	6.43	1.45	0.0571	1.59	0.0626	3.29	0.1295	30.59	20.556
QF16	3	19 x 0.30	1.34	16	14.90	4.42	1.70	0.0669	1.84	0.0724	3.83	0.1508	42.90	28.827
QF14	3	37 x 0.25	1.82	14	11.23	3.32	1.93	0.0760	2.10	0.0827	4.36	0.1717	57.16	38.410
QF12	3	37 x 0.32	2.98	12	7.00	2.07	2.41	0.0949	2.60	0.1024	5.42	0.2134	91.77	61.667
QF10	3	61 x 0.32	4.91	10	4.22	1.25	3.03	0.1193	3.25	0.1280	6.75	0.2657	149.20	100.258
RF26	4	19 x 0.10	0.15	26	164.8	48.77	0.75	0.0295	0.84	0.0331	1.88	0.0740	8.24	5.537
RF24	4	19 x 0.12	0.21	24	117.50	34.75	0.85	0.0335	0.94	0.0370	2.12	0.0835	10.92	7.338
RF22	4	19 x 0.15	0.34	22	61.8	18.29	0.98	0.0386	1.09	0.0429	2.48	0.0976	16.07	10.799
RF20	4	19 x 0.20	0.60	20	34.2	10.12	1.22	0.0480	1.34	0.0528	3.08	0.1213	26.99	18.136
RF18	4	19 x 0.25	0.93	18	21.7	6.43	1.45	0.0571	1.59	0.0626	3.66	0.1441	40.79	27.410
RF16	4	19 x 0.30	1.34	16	14.90	4.42	1.70	0.0669	1.84	0.0724	4.29	0.1689	57.26	38.477
RF14	4	37 x 0.25	1.82	14	11.23	3.32	1.93	0.0760	2.10	0.0827	4.89	0.1925	76.22	51.217
RF12	4	37 x 0.32	2.98	12	7.00	2.07	2.41	0.0949	2.60	0.1024	6.07	0.2390	122.36	82.222
RF10	4	61 x 0.32	4.91	10	4.22	1.25	3.03	0.1193	3.25	0.1280	7.57	0.2980	198.99	133.715

*Closest American Wire Gauge



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