

CF-U Series

Wires specification: ASNE 0261, EN2266-005



Retrofit airframe wires and cables for commercial aircraft and helicopters.



Cable characteristics



-55 +200°C



Excellent



FAR25_
ABD0031

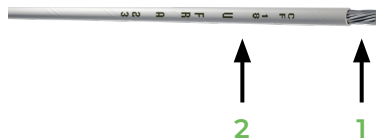
Environmental

- 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) stranded
2. Insulation: Polyimide tape + FEP top coat, UV-laser sensitive

Identification

- Wires color: All Gauges are White, except AWG 22: Light Green

Marking (example)

CF yy U FR A zz
1 2 3 4 5

e.g. CF 18 U FRA 23

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

Specifications

Wires Specifications

- AEROSPATIALE:
N°451.242/78 EdA (1/21/80)
N°462.012/84
ASNE 0261
NSA 935000 identification standard, marking
- Analogy of construction in AECMA standard:
Technical specification: EN2084
Wire specification: EN2266-005 (UV-Laser printable)

Compliant to ABD0031

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

Dimensional

Short designation	Conductors		AWG*	Linear resistance max. at 20°C		Outer diameter				Weight max.		Rating
	Stranding	Nominal section				min.		max.				
	nb x Ømm	mm²		Ω/km	Ω/1000ft	mm	inch	mm	inch	kg/km	Lbs/1000ft	(Amp)
CF26-U	19 x 0.10	0.15	26	160.0	48.77	0.75	0.0295	0.84	0.0331	1.85	1.243	3
CF24-U	19 x 0.12	0.21	24	114.0	34.75	0.85	0.0335	0.94	0.0378	2.52	1.693	4
CF22-U	19 x 0.15	0.34	22	60.0	18.29	0.98	0.0386	1.09	0.0429	3.74	2.513	6.5
CF20-U	19 x 0.20	0.60	20	33.2	10.12	1.22	0.0480	1.34	0.0528	6.32	4.247	11
CF18-U	19 x 0.25	0.93	18	21.1	6.43	1.45	0.0571	1.59	0.0626	9.50	6.384	16
CF16-U	19 x 0.30	1.34	16	14.5	4.42	1.70	0.0669	1.84	0.0724	13.41	9.011	22
CF14-U	37 x 0.25	1.82	14	10.9	3.32	1.93	0.0760	2.10	0.0827	17.88	12.015	30
CF12-U	37 x 0.32	2.98	12	6.8	2.07	2.41	0.0949	2.60	0.1024	28.75	19.319	40
CF10-U	61 x 0.32	4.91	10	4.1	1.25	3.03	0.1193	3.25	0.1280	47.20	31.717	54

*Closest American Wire Gauge

Remark

- | | | |
|------------------------|---------------|---------------|
| | AWG 26 | AWG 24 |
| • Breaking Strength: | > 4.6 daN | > 6.7 daN |
| • Stretching Strength: | > 6% | > 6% |

Permissible bend radius (recommendation following EN3197)	AWG
	26 to 10
Static use	6xØ
Dynamic use	12xØ



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