

CF-U—Series

Retro-Fit Airframe Wires, 200°C

Cable Design

ASNE 0261, EN 2266-005A



- not to scale -

- 1: Conductor: Nickel-coated Copper Alloy (AWG 26 & 24)
Nickel-coated Annealed Copper (AWG 22 to 10)
Stranded
- 2: Insulation: Polyimide
- 3: FEP Top Coat, UV-Laser sensitive

Retrofit airframe wires and cables for commercial aircraft and helicopters.

Characteristics

Physical & Environmental

- Operating Temperature : - 55°C to + 200°C (ambient temperature and current heating)
- High resistance to: Aircraft fluids (oils, hydrocarbons, kerosene, skydrols...)
- Positively non-flammable
- Very low toxicity
- Current carrying capacity: As defined by AIR7822 specification for sections >0.34mm²
Values in table on reverse are for single wires:
Ambient temperature 60°C plus heating 40°C

Electrical:

- Maximum Operating Voltage: 600 Vac
- Linear Resistance: See Table on Reverse

Mechanical:

- Weight: See Table on Reverse
- Dimensions: See Table on Reverse

Standards/Specifications

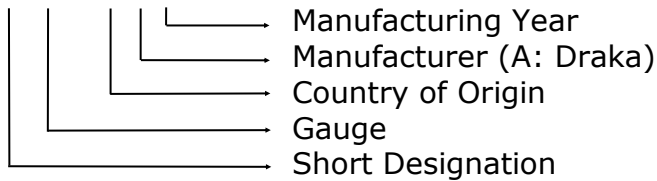
- AEROSPATIALE: N°451.242/78 EdA (1/21/80)
N°462.012/84
ASN-E 0261
NSA 935.000 identification standard, marking
- Analogy of construction in AECMA Standard:
Technical Specification: EN2084
Cable Specification: EN2266-005 (UV-Laser printable)
- Compliant to ABD0031: Flammability, Smoke and Toxicity requirements and
14 CFR FAR25-1713

Identification

- Color of Insulation: All Gauges are White, except AWG 22: Light Green

Marking

CF 26 U FRA yy



Technical Data

Short Designation	Conductors		AWG *	Linear Resistance (at 20°C)		Outer Diameter				Maximum Weight		Rating (Amp)
	Stranding (n x mm)	Nominal Section (mm ²)		Ω/km	Ω/1000ft	Minimum		Maximum		kg/km	Lbs / 1000ft	
						mm	inch	mm	inch			
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

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