

DM-Series

Wires specification: EN2267-008



Retrofit airframe wires and cables for commercial aircraft and helicopters.



Cable characteristics



-65 +260°C



Excellent



FAR25_
ABD0031

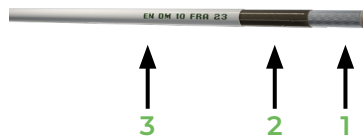
Environmental

- Operating temperature: -65°C to 260°C (ambient temperature + current heating)
- Resistant to: Aircraft fluids (oils, hydrocarbons, kerosene, skydrols...), Chemical agents
- Arc Tracking resistant

Electrical

- Maximum operating voltage: 115V (phase to neutral) or 200V (phase to phase) AC electrical systems of aircraft
- Operating frequency: up to 2000Hz

Cable design



1. Conductor:
AWG 26 and AWG 24: Nickel-coated copper alloy
AWG 22 to AWG 2: Nickel-coated Annealed copper
2. Polyimide tape
3. PTFE tape(s), UV-laser sensitive

Identification

- Standard versions are based on PTFE tape that can be marked by UV-Laser
- Color of Insulation:
AWG 26: Light Yellow
AWG 22: Light Green
Other Gauges: White

Marking (example)

EN DM yy FR A zz
1 2 3 4 5

e.g. EN DM 24 FR A 23

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

Specifications

Conductors

For AWG 26 to AWG 6 according to EN 4434 table 2: tight tolerance

Wires Specifications

EN2267-008 DM family, single UV laser printable and multicore assembly - Product standard

Technical Specification

EN2084

Compliant to ABD0031

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

Dimensional

Short designation	EN reference	Stranding	Nom. cross section	AWG*	Linear resistance max. at 20°C		Outer Diameter				Weight max.	
							min.		max.			
		nb x mm	mm²		Ω/km	Ω/1000ft	mm	inch	mm	inch	kg/km	Lbs/1000ft
DM26	EN2267-008A001S	19 x 0.10	0.15	26	160.0	48.77	0.85	0.0335	0.97	0.0382	2.33	1,566
DM24	EN2267-008A002P	19 x 0.12	0.21	24	114.0	34.75	0.90	0.0354	1.04	0.0409	2.95	1,982
DM22	EN2267-008A004P	19 x 0.15	0.34	22	60.0	18.29	1.05	0.0413	1.19	0.0469	4.22	2,836
DM20	EN2267-008A006P	19 x 0.20	0.60	20	33.2	10.12	1.38	0.0543	1.53	0.0602	7.43	4,993
DM18	EN2267-008A010P	19 x 0.25	0.93	18	21.1	6.43	1.65	0.0650	1.82	0.0717	11.29	7,587
DM16	EN2267-008A012P	19 x 0.30	1.34	16	14.5	4.42	2.02	0.0795	2.22	0.0874	16.38	11,007
DM14	EN2267-008A020P	37 x 0.25	1.82	14	10.9	3.32	2.29	0.0902	2.49	0.0980	21.88	14,703
DM12	EN2267-008A030P	37 x 0.32	2.98	12	6.8	2.07	2.73	0.1075	2.97	0.1169	32.69	21,967
DM10	EN2267-008A051P	61 x 0.32	4.91	10	4.1	1.25	3.33	0.1311	3.61	0.1421	51.51	34,613
DM08	EN2267-008A090P	127 x 0.30	9.00	8	2.3	0.70	4.47	0.1760	4.77	0.1878	92.81	62,365
DM06	EN2267-008A140P	27 x 7 x 0.30	13.40	6	1.58	0.48	5.70	0.2244	6.30	0.2480	137.25	92,228

*Closest American Wire Gauge

Bending radius

Permissible bend radius (recommendation following EN3197)	AWG	
	26 to 10	8 to 6
Static use	6xØ	8xØ
Dynamic use	12xØ	16xØ



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