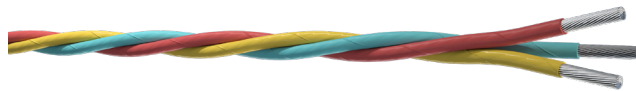


DMA, PN, QL, RK Series

Wires specification: EN 2267-007



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

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. Stranded conductor:
AWG26 and AWG24: Nickel coated copper alloy
AWG22 to AWG 6: Nickel coated copper
2. Reinforced Polyimide tape + PTFE tape, UV-laser sensitive
DMA: 1 core PN: 2 cores QL: 3 cores RK: 4 cores

Identification

- 1st wire: Red with White Identification
- 2nd wires: Light Blue with Dark Green Identification
- 3rd wires: Yellow with Dark Green Identification
- 4th wires: Green with White Identification

Marking (example)

EN DM A xx FR A zz
1 2 3 4 5

e.g. EN DM A 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

EN2267-007 DMA family, single ink-jet printable and multicore assembly - Product standard

Technical Specification

EN2084

Compliant to ABD0031

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

Dimensional

DMA Cables

Short desi- gnation	Nb of cores	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
DMA26	1	EN2267-007A001P	19 x 0.10	0.15	26	160.0	48.77	0.85	0.0335	0.97	0.0382	2.33	1.566
DMA24	1	EN2267-007A002P	19 x 0.12	0.21	24	114.0	34.75	0.90	0.0354	1.04	0.0409	2.95	1.982
DMA22	1	EN2267-007A004P	19 x 0.15	0.34	22	60.0	18.29	1.05	0.0413	1.19	0.0469	4.22	2.836
DMA20	1	EN2267-007A006P	19 x 0.20	0.60	20	33.2	10.12	1.38	0.0543	1.53	0.0602	7.43	4.993
DMA18	1	EN2267-007A010P	19 x 0.25	0.93	18	21.1	6.43	1.65	0.0650	1.82	0.0717	11.29	7.587
DMA16	1	EN2267-007A012P	19 x 0.30	1.34	16	14.5	4.42	2.02	0.0795	2.22	0.0874	16.38	11.007
DMA14	1	EN2267-007A020P	37 x 0.25	1.82	14	10.9	3.32	2.29	0.0902	2.49	0.0980	21.88	14.703
DMA12	1	EN2267-007A030P	37 x 0.32	2.98	12	6.8	2.07	2.73	0.1075	2.97	0.1169	32.69	21.967
DMA10	1	EN2267-007A051P	61 x 0.32	4.91	10	4.1	1.25	3.33	0.1311	3.61	0.1421	51.51	34.613
DMA08	1	EN2267-007A090P	127 x 0.30	9.00	8	2.3	0.70	4.47	0.1760	4.77	0.1878	92.81	62.365
DMA06	1	EN2267-007A140P	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

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

Dimensional

PN, QL & RK Cables

Short designation	Nb of cores	EN reference	Stranding	Nom. cross section	AWG*	Linear resistance max. at 20°C		Outer diameter max.		Weight max.	
			nb x Ømm	mm²		Ω/km	Ω/1000ft	mm	inch	kg/km	Lbs/1000ft
PN26	2	EN2267-007B001P	19 x 0.10	0.15	26	165.00	50.29	0.97	0.0382	5.03	3.380
PN24	2	EN2267-007B002P	19 x 0.12	0.21	24	117.00	35.66	1.04	0.0409	6.31	4.240
PN22	2	EN2267-007B004P	19 x 0.15	0.34	22	61.70	18.81	1.19	0.0469	9.03	6.068
PN20	2	EN2267-007B006P	19 x 0.20	0.60	20	34.10	10.39	1.53	0.0602	15.75	10.584
PN18	2	EN2267-007B010P	19 x 0.25	0.93	18	21.70	6.61	1.82	0.0717	23.93	16.080
PN16	2	EN2267-007B012P	19 x 0.30	1.34	16	14.90	4.54	2.22	0.0874	34.55	23.217
PN14	2	EN2267-007B020P	37 x 0.25	1.82	14	11.20	3.41	2.49	0.0980	46.16	31.018
PN12	2	EN2267-007B030P	37 x 0.32	2.98	12	6.99	2.13	2.97	0.1169	68.62	46.111
PN10	2	EN2267-007B051P	61 x 0.32	4.91	10	4.22	1.29	3.61	0.1421	108.10	72.640
PN08	2	EN2267-007B090P	127 x 0.30	9.00	8	2.37	0.72	4.77	0.1878	194.80	130.900
PN06	2	EN2267-007B140P	27 x 7 x 0.30	13.40	6	1.63	0.50	6.30	0.2480	290.18	194.992
QL26	3	EN2267-007C001P	19 x 0.10	0.15	26	165.00	50.29	0.97	0.0382	7.55	5.073
QL24	3	EN2267-007C002P	19 x 0.12	0.21	24	117.00	35.66	1.04	0.0409	9.50	6.384
QL22	3	EN2267-007C004P	19 x 0.15	0.34	22	61.70	18.81	1.19	0.0469	13.60	9.139
QL20	3	EN2267-007C006P	19 x 0.20	0.60	20	34.10	10.39	1.53	0.0602	23.70	15.926
QL18	3	EN2267-007C010P	19 x 0.25	0.93	18	21.70	6.61	1.82	0.0717	35.99	24.184
QL16	3	EN2267-007C012P	19 x 0.30	1.34	16	14.90	4.54	2.22	0.0874	51.96	34.916
QL14	3	EN2267-007C020P	37 x 0.25	1.82	14	11.20	3.41	2.49	0.0980	68.43	45.983
QL12	3	EN2267-007C030P	37 x 0.32	2.98	12	6.99	2.13	2.97	0.1169	103.21	69.354
QL10	3	EN2267-007C051P	61 x 0.32	4.91	10	4.22	1.29	3.61	0.1421	162.65	109.296
QL08	3	EN2267-007C090P	127 x 0.30	9.00	8	2.37	0.72	4.77	0.1878	293.03	196.907
QL06	3	EN2267-007C140P	27 x 7 x 0.30	13.40	6	1.63	0.50	6.30	0.2480	435.26	292.481
RK26	4	EN2267-007D001P	19 x 0.10	0.15	26	165.00	50.29	0.97	0.0382	10.07	6.767
RK24	4	EN2267-007D002P	19 x 0.12	0.21	24	117.00	35.66	1.04	0.0409	12.72	8.547
RK22	4	EN2267-007D004P	19 x 0.15	0.34	22	61.70	18.81	1.19	0.0469	18.18	12.216
RK20	4	EN2267-007D006P	19 x 0.20	0.60	20	34.10	10.39	1.53	0.0602	31.70	21.301
RK18	4	EN2267-007D010P	19 x 0.25	0.93	18	21.70	6.61	1.82	0.0717	48.18	32.375
RK16	4	EN2267-007D012P	19 x 0.30	1.34	16	14.90	4.54	2.22	0.0874	69.56	46.742
RK14	4	EN2267-007D020P	37 x 0.25	1.82	14	11.20	3.41	2.49	0.0980	92.96	62.466
RK12	4	EN2267-007D030P	37 x 0.32	2.98	12	6.99	2.13	2.97	0.1169	138.18	92.853
RK10	4	EN2267-007D051P	61 x 0.32	4.91	10	4.22	1.29	3.61	0.1421	217.77	146.335
RK08	4	EN2267-007D090P	127 x 0.30	9.00	8	2.37	0.72	4.77	0.1878	392.32	263.627
RK06	4	EN2267-007D140P	27 x 7 x 0.30	13.40	6	1.63	0.50	6.30	0.2480	580.35	389.977

*Closest American Wire Gauge



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