

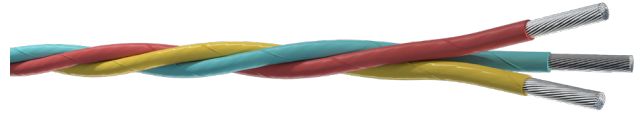
# DRA/DRB/DRC/DRD Series

Wires specification:

EN2267-009A/009B/009C/009D



General purpose high-performance hook-up wires. Designed for aerospace and other applications requiring excellent thermal stability and light weight.



## 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

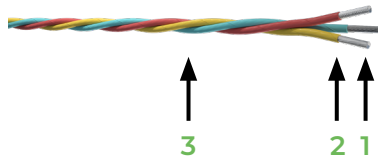
### Electrical

Maximum operating voltage:

- 115V (phase to neutral) or 200V (phase to phase) AC Electrical systems of aircraft
- 230/400V AC in pressurized zones with specific installation rules to take account of possible short circuit effects.

Operating frequency: up to 2000Hz

## Cable design



1. Conductor:  
AWG 26 and AWG 24: Nickel plated copper alloy  
AWG 22 to AWG 6: Nickel plated copper
2. Reinforce Polyimide tape
3. PTFE tape, refer to EN2267-010 data sheet for dimensions

### Identification

- 1st Core: Red with Green Marking
- 2nd Core: Light Blue with Dark Green Marking
- 3rd Core: Yellow with Dark Green Marking
- 4th Core: Green with Dark Green Marking

### Marking (example)

EN DRA yy FR A zz  
**1 2 3 4 5**

e.g. EN DRA 24 FRA 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
- For AWG 4 and AWG 2: EN 2083

### Wires Specifications

EN2267-009

### Technical Specification

EN2084

### Compliant to ABD0031

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

## Dimensional

### For DRB

For single wires (DRA), refer to EN2267-010A (DR) Data Sheet

Short designation	EN reference	Number of cores	Nominal section	AWG*	Linear resistance max. at 20°C		Outer diameter max.		Weight max.	
					$\Omega/\text{km}$	$\Omega/1000\text{ft}$	mm	inch	kg/km	Lbs/1000ft
DRB26	EN2267-009B001P	2	0.15	26	164.80	50.23	1.68	0.066	4.28	2.877
DRB24	EN2267-009B002P	2	0.25	24	117.42	35.79	1.92	0.076	5.60	3.764
DRB22	EN2267-009B004P	2	0.40	22	61.80	18.84	2.20	0.087	8.53	5.733
DRB20	EN2267-009B006P	2	0.60	20	34.20	10.42	2.68	0.106	14.11	9.483
DRB18	EN2267-009B010P	2	1	18	21.73	6.62	3.22	0.127	21.49	14.443
DRB16	EN2267-009B012P	2	1.2	16	14.94	4.55	3.84	0.151	30.10	20.230
DRB14	EN2267-009B020P	2	2	14	11.23	3.42	4.48	0.176	40.75	27.387
DRB12	EN2267-009B030P	2	3	12	7.00	2.13	5.40	0.213	64.54	43.376
DRB10	EN2267-009B051P	2	5	10	4.22	1.29	6.66	0.262	102.69	69.016
DRB8	EN2267-009B090P	2	9	8	2.37	0.72	8.80	0.346	185.40	124.604
DRB6	EN2267-009B140P	2	14	6	1.63	0.50	11.40	0.449	278.10	186.907
DRB4	EN2267-009B220P	2	22	4	1.00	0.30	14.82	0.583	457.32	307.357
DRB2	EN2267-009B340P	2	34	2	0.63	0.19	18.32	0.721	714.82	480.419

### For DRC

DRC26	EN2267-009C001P	3	0.15	26	164.80	50.23	1.81	0.071	6.43	4.322
DRC24	EN2267-009C002P	3	0.25	24	117.42	35.79	2.06	0.081	8.40	5.646
DRC22	EN2267-009C004P	3	0.40	22	61.80	18.84	2.37	0.093	12.79	8.596
DRC20	EN2267-009C006P	3	0.60	20	34.20	10.42	2.88	0.113	21.17	14.228
DRC18	EN2267-009C010P	3	1	18	21.73	6.62	3.46	0.136	32.23	21.661
DRC16	EN2267-009C012P	3	1.2	16	14.94	4.55	4.13	0.163	45.14	30.338
DRC14	EN2267-009C020P	3	2	14	11.23	3.42	4.82	0.190	61.12	41.078
DRC12	EN2267-009C030P	3	3	12	7.00	2.13	5.81	0.229	96.81	65.064
DRC10	EN2267-009C051P	3	5	10	4.22	1.29	7.16	0.282	154.04	103.528
DRC8	EN2267-009C090P	3	9	8	2.37	0.72	9.46	0.372	278.10	186.907
DRC6	EN2267-009C140P	3	14	6	1.63	0.50	12.26	0.482	417.15	280.360
DRC4	EN2267-009C220P	3	22	4	1.00	0.30	15.93	0.627	685.98	461.036
DRC2	EN2267-009C340P	3	34	2	0.63	0.19	19.69	0.775	1072.23	720.629

\*Closest American Wire Gauge

## For DRD

Short designation	EN reference	Number of cores	Nominal section	AWG*	Linear resistance max. at 20°C		Outer diameter max.		Weight max.	
					$\Omega/\text{km}$	$\Omega/1000\text{ft}$	mm	inch	kg/km	Lbs/1000ft
DRD26	EN2267-009D001P	4	0.15	26	164.80	50.23	2.02	0.080	8.57	5.760
DRD24	EN2267-009D002P	4	0.25	24	117.42	35.79	2.30	0.091	11.21	7.534
DRD22	EN2267-009D004P	4	0.40	22	61.80	18.84	2.64	0.104	17.06	11.466
DRD20	EN2267-009D006P	4	0.60	20	34.20	10.42	3.22	0.127	28.22	18.966
DRD18	EN2267-009D010P	4	1	18	21.73	6.62	3.86	0.153	42.97	28.879
DRD16	EN2267-009D012P	4	1.2	16	14.94	4.55	4.61	0.182	60.19	40.453
DRD14	EN2267-009D020P	4	2	14	11.23	3.42	5.38	0.213	81.49	54.768
DRD12	EN2267-009D030P	4	3	12	7.00	2.13	6.48	0.316	129.08	86.753
DRD10	EN2267-009D051P	4	5	10	4.22	1.29	7.99	0.314	205.38	138.033
DRD8	EN2267-009D090P	4	9	8	2.37	0.72	10.56	0.417	370.80	249.209
DRD6	EN2267-009D140P	4	14	6	1.63	0.50	13.68	0.541	556.20	373.813
DRD4	EN2267-009D220P	4	22	4	1.00	0.30	17.78	0.703	914.64	614.715
DRD2	EN2267-009D340P	4	34	2	0.63	0.19	21.98	0.869	1429.64	960.838

\*Closest American Wire Gauge

### Bending radius

Permissible bend radius (recommendation following EN3197)	AWG		
	26 to 10	8 to 4	2
Static use	6x $\emptyset$	8x $\emptyset$	11x $\emptyset$
Dynamic use	12x $\emptyset$	16x $\emptyset$	22x $\emptyset$



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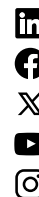
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