

DZB / DZC Series

Wires specification: EN 2267-011



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



Cable characteristics



-65 +260°C



Excellent



FAR25_
ABD0031

Environmental

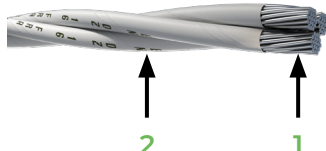
- Operating temperature: -65°C to 260°C (ambient temperature + current heating)
- Resistant to Aircraft fluids (oils, hydrocarbons, kerosene, skydrols...), Chemical agents
- Arc Tracking resistant

Electrical

Maximum operating voltage:

- 115V (phase to neutral) or 200V (phase to phase) AC
Electrical systems of aircraft
 - 230V (phase to neutral) or 400V (phase to phase)
electrical network of aircraft and particularly use in non-pressurized area
- Operating frequency: up to 2000Hz

Cable design



1. Stranded conductor: Nickel plated copper
2. Insulation: Polyimide/PTFE

Identification

- Wire color: White
- Wire Marking color: Green

White wire with Alphabetical colour code marking

- DZB: R and B
- DZC: R, B and Y

Marking (example)

- x - EN DZ yy FR A zz - x -
1 2 3 4 5 6

e.g. - R - EN DZ16 FRA 23 - R -

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

Specifications

Conductors

- For AWG 16 to AWG 10 according to EN 4434 table 2: tight tolerance

Wires Specifications

EN 2267-011 DZA family, single and multicore assembly for use in low pressure atmosphere -
Product standard

Technical Specification

EN 2084

Compliant to ABD0031

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

Dimensional

For single wires (DZA), refer to EN 2267-012 (DZ) data sheet

For DZB

Short designation	Number of cores	EN reference	Nominal cross section	AWG*	Linear resistance max. at 20°C		Outer diameter				Weight max.	
			mm²				min.		max.			
			Ω/km		Ω/1000ft	mm	inch	mm	inch	kg/km	Lbs/1000ft	
DZB16	2	EN2267-011B012T	1.2	16	14.94	4.5537	4.76	0.1874	5.40	0.2126	47.4	31.8494

For DZC

DZC16	3	EN2267-011C012T	1.2	16	14.94	4.5537	5.12	0.2016	5.80	0.2283	69.0	46.3631
DZC12	3	EN2267-011C030T	3	12	7.00	2.1336	6.94	0.2732	7.76	0.3055	126.0	84.6631
DZC10	3	EN2267-011C051T	5	10	4.22	1.2862	7.91	0.3114	9.05	0.3563	191.0	128.3384

*Closest American Wire Gauge

Bending radius

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



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