

DZ Series

Wires specification: EN 2267-012



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, UV-laser markable

Identification

- Wire color: White
- Wire Marking color: Green

Marking (example)

EN DZ yy FR A zz
1 2 3 4 5

e.g. EN DZ16 FR A 23

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

Specifications

Conductors

- For AWG 16 to AWG 8 according to EN 4434 table 2: tight tolerance

Wires Specifications

EN 2267-012 DZ family, single UV laser printable 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

Short designation	EN reference	Nominal cross section	AWG*	Linear resistance max. at 20°C		Outer diameter				Weight max.	
						min.		max.			
		mm ²		Ω/km	Ω/1000ft	mm	inch	mm	inch	kg/km	Lbs/1000ft
DZ16	EN2267-012A012S	1.2	16	14.5	4.4196	2.38	0.0937	2.70	0.1063	23	15.4552
DZ12	EN2267-012A030S	3	12	6.8	2.0726	3.23	0.1272	3.61	0.1421	41	27.5507
DZ10	EN2267-012A051S	5	10	4.1	1.2497	3.68	0.1449	4.21	0.1657	62	41.6621
DZ8	EN2267-012A090S	9	8	2.3	0.7010	4.35	0.1712	4.95	0.1945	102	68.5408

*Closest American Wire Gauge

Bending radius

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



Prysmian câbles et systèmes France
Head Office
 23 avenue Aristide Briand - BP 801 - PARON - 89108 SENS Cedex / France
 Tel : +33 (0)4 72 46 73 99 - infocables.fr@prysmian.com

Draka Fileca SAS
 D 1001 - 60730 Sainte-Geneviève / France
 fileca-office@prysmian.com



www.prysmian.com

