

ELECTROAIR®

EN 2714-013 MLA, MLB, MLC, MLD

1 to 4 single core:

- 1 • 1 to 4 wire according to EN 2267-009/ 2267-010
- 2 • Nickel plated copper spiral shield
- 3 • Polyimide tape
- 4 • PTFE tape

Standards and approvals

Construction:

- EN 2235 • EN 2267-009
- EN 2267-010 • EN 2714-002
- EN 4434 • TR 6058

Performances:

- EN 3475
- EN 3838



CGP Reference

EN2714-013 DR MLA (single core) = MLA
EN2714-013 DR MLB (two cores) = MLB
EN2714-013 DR MLC (three cores) = MLC
EN2714-013 DR MLD (four cores) = MLD

Applications

General-purpose wires and cables for aeronautical wiring

Marking (UV laser printable)

According to EN 2714-002
Example: EN ML (No. of conductors)
(gauge) FR P (year)
EN MLC 24 FR P 25

Colour code

- Jacket: White colour except for AWG 24 / 20 / 16 in Azure blue
- Single core – MLA: White except for AWG 22 in Light Green & AWG 26 in Light Yellow
- Two cores – MLB: Red / Blue
- Three cores – MLC: Red / Blue / Yellow
- Four cores – MLD: Red / Blue / Yellow / Green

Option

Other cross-sections or constructions on request

General characteristics

• Thermal

Continuous operating temperature:
-65°C to +260°C

• Electrical

Operating voltage: 115 V RMS (phase to neutral)
200 V RMS (phase to phase)

• Mechanical

Cut-through resistance: ★★★★★☆
Abrasion resistance: ★★★★★☆
EN 3475

• Chemical

Resistance to chemical environments: ★★★★★★
Resistance to humidity: ★★★★★★
Resistance to aircraft fluids: ★★★★★★
RoHS and Reach compliant materials
EN 3475

• Fire-smoke

Flame retardant
Low smoke density
EN 3475

• Arc tracking resistance

EN 3475

MLA

EN designation	Designation	AWG	Screen strand nominal diameter (mm)	EN Code of nominal section	Nominal cross-section (mm²)	Cable outer diameter max (mm)	Maximum linear weight (kg / km)	Max. linear resistance at 20°C (Ω / km)
EN2714-013A001F	MLA 26	26	0.08	001	0.15	1.31	4.68	160.0
EN2714-013A002F	MLA 24	24	0.08	002	0.25	1.45	5.76	114.0
EN2714-013A004F	MLA 22	22	0.08	004	0.4	1.60	7.51	60.0
EN2714-013A006F	MLA 20	20	0.08	006	0.6	1.84	10.77	33.2
EN2714-013A010F	MLA 18	18	0.08	010	1	2.08	14.97	21.1
EN2714-013A012F	MLA 16	16	0.10	012	1.2	2.43	20.97	14.5
EN2714-013A020F	MLA 14	14	0.10	020	2	2.74	27.03	10.9
EN2714-013A030F	MLA 12	12	0.10	030	3	3.20	39.70	6.8
EN2714-013A051F	MLA 10	10	0.12	051	5	3.89	61.94	4.1

For this product, please contact:

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The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company CGP SAS shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force. For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories.

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MLB

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EN2714-013B001F	MLB 26	26	0.08	001	0.15	2.13	8.17	165.0
EN2714-013B002F	MLB 24	24	0.08	002	0.25	2.40	10.23	117.0
EN2714-013B004F	MLB 22	22	0.08	004	0.4	2.70	13.64	61.70
EN2714-013B006F	MLB 20	20	0.10	006	0.6	3.22	21.05	34.10
EN2714-013B010F	MLB 18	18	0.10	010	1	3.71	29.52	21.70

MLC

EN designation	Designation	AWG	Screen strand nominal diameter (mm)	EN Code of nominal section	Nominal cross-section (mm²)	Cable outer diameter max (mm)	Maximum linear weight (kg / km)	Max. linear resistance at 20°C (Ω / km)
EN2714-013C001F	MLC 26	26	0.08	001	0.15	2.26	10.94	165.0
EN2714-013C002F	MLC 24	24	0.10	002	0.25	2.59	14.72	117.0
EN2714-013C004F	MLC 22	22	0.10	004	0.4	2.91	19.76	61.70
EN2714-013C006F	MLC 20	20	0.12	006	0.6	3.48	30.44	34.10
EN2714-013C010F	MLC 18	18	0.12	010	1	4.00	42.96	21.70

MLD

EN designation	Designation	AWG	Screen strand nominal diameter (mm)	EN Code of nominal section	Nominal cross-section (mm²)	Cable outer diameter max (mm)	Maximum linear weight (kg / km)	Max. linear resistance at 20°C (Ω / km)
EN2714-013D001F	MLD 26	26	0.10	001	0.15	2.51	14.57	165.0
EN2714-013D002F	MLD 24	24	0.10	002	0.25	2.84	18.47	117.0
EN2714-013D004F	MLD 22	22	0.10	004	0.4	3.19	25.04	61.70
EN2714-013D006F	MLD 20	20	0.12	006	0.6	3.82	38.81	34.10
EN2714-013D010F	MLD 18	18	0.12	010	1	4.41	55.22	21.70

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