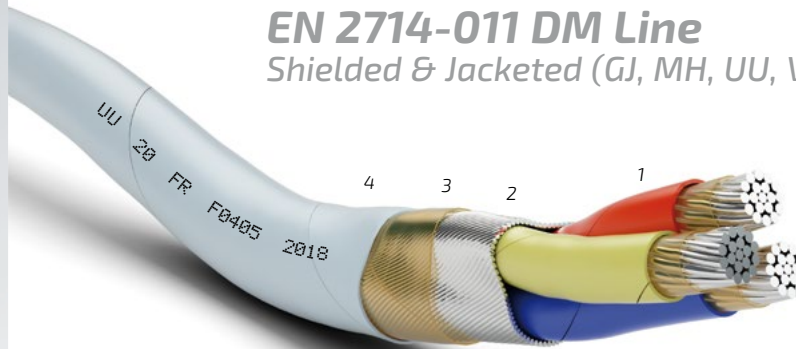


ELECTROAIR®

EN 2714-011 DM Line Shielded & Jacketed (GJ, MH, UU, VV)



- 1 • One to four wires according to EN 2267-007A
- 2 • Nickel plated copper spiral shield
- 3 • Polyimide tape
- 4 • PTFE tape

Standards and approvals

Construction:

- EN 2714-011
- EN 2714-002
- EN 4434

Performances:

- EN 3475
- FAR 25

Marking (UV laser printable)

1. On customer specification
2. Inspired of EN 2084:

"TR6058 code Gauge Country
CGP NATO Code Manufacturing Year"

Colour code

Jacket: White colour except for
AWG 24 / 20 / 16 in light blue

- Single core – GJ: White except for
AWG 22 in Light Green
& AWG 26 in Light Yellow
- Two cores – MH: Red / Blue
- Three cores – UU: Red / Blue / Yellow
- Four cores – VV: Red / Blue / Yellow
/ Green

For any other request: please contact us

Options

Other cross-sections or constructions
on request

Applications

General-purpose airframe wires and cables
used throughout the aircraft (retro-fit):
on the flight deck, in the passenger area,
in the wings and surfaces

CGP Reference

EN 2714-011 DM Line:

- EN 2714-011A (single core) = DM GJ
- EN 2714-011B (two cores) = DM MH
- EN 2714-011C (three cores) = DM UU
- EN 2714-011D (four cores) = DM VV

Characteristics

• Thermal

Continuous operating temperature: **-55°C to +260°C**

• Electrical

Operating voltage: 600 V RMS

• Mechanical

Cut-through resistance: ★★★★★☆
Resistance to abrasion: ★★★★★☆
EN 3475

• Chemical

Resistance to chemical environments: ★★★★★
Resistance to humidity: ★★★★★
Resistance to aircraft fluids: ★★★★★
EN 3475

• Fire-smoke

Flame retardant
Low smoke density
EN 3475 / FAR 25

• Arc tracking resistance

EN 3475

DM GJ 1X

| AWG | Stranding (n x mm) | Code EN of nominal section | Cross section (mm ²) | Cable outer diameter (mm) Maxi | Maximum linear weight (kg / km) | Maximum linear resistance at 20°C (Ω / km) |
|-----|-----------------------|----------------------------------|--|--------------------------------------|---------------------------------------|--|
| 26 | 19 x 0.10 | 001 | 0.15 | 1.47 | 5.63 | 160.0 |
| 24 | 19 x 0.12 | 002 | 0.25 | 1.53 | 6.44 | 114.0 |
| 22 | 19 x 0.15 | 004 | 0.40 | 1.69 | 8.19 | 60.0 |
| 20 | 19 x 0.20 | 006 | 0.60 | 2.05 | 12.42 | 33.2 |
| 18 | 19 x 0.25 | 010 | 1.00 | 2.33 | 17.28 | 21.1 |
| 16 | 19 x 0.30 | 012 | 1.20 | 2.77 | 24.57 | 14.5 |
| 14 | 37 x 0.25 | 020 | 2.00 | 3.03 | 31.16 | 10.9 |
| 12 | 37 x 0.32 | 030 | 3.00 | 3.49 | 43.63 | 6.8 |

DM MH 2X

DM UU 3X

DM VV 4X

| AWG | Cable outer diameter (mm) Maxi | Maximum linear weight (kg / km) | Cable outer diameter (mm) Maxi | Maximum linear weight (kg / km) | Cable outer diameter (mm) Maxi | Maximum linear weight (kg / km) | Maximum linear resistance at 20°C (Ω / km) |
|-----|---|--|---|--|---|--|--|
| 26 | 2.43 | 9.78 | 2.57 | 13.07 | 2.86 | 17.45 | 165.0 |
| 24 | 2.55 | 11.35 | 2.75 | 16.36 | 3.02 | 20.46 | 117.4 |
| 22 | 2.87 | 14.75 | 3.09 | 21.33 | 3.39 | 26.98 | 61.7 |
| 20 | 3.62 | 24.10 | 3.90 | 34.73 | 4.30 | 44.37 | 34.1 |
| 18 | 4.19 | 33.67 | 4.51 | 49.00 | 4.99 | 62.90 | 21.7 |
| 16 | 5.02 | 47.76 | 5.43 | 70.38 | 6.00 | 90.48 | 14.9 |
| 14 | 5.61 | 63.64 | 5.99 | 89.85 | - | - | 11.2 |

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www.omerin.com

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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