

HIFLEX® AGP 400 M

• Conductor

1. Class 6 red copper according to IEC 60228

• Control core

2. Class 6 tin plated copper according to IEC 60228

3. Thermoplastic

4. Abrasion resistant polyurethan



Applications

400 Hz extra-flexible electrical cable for mobile applications : connection between the ground and the aircraft, allowing battery charging, pre-flight provisions, checks and maintenance operations.

Marking

CGP HIFLEX AGP 400 M - [cross-section]mm² - 0.6/1kV - [batch number]

Colour code

Conductor: Yellow, Green, Red, Black
Inner Sheath : Orange (abrasion indicator)
External Sheath : Black
Other: please consult us.

General characteristics

• Thermal

Maximal use temperature in static use: **-40°C to +90°C**

Maximal use temperature in dynamic use: **-20°C to +90°C**

• Electrical

Operating voltage: 0.6 / 1 kV

Nominal voltage: 115 / 230 V

Test voltage: 4000 V

• Mechanical strength

Minimal bending radius : 4 x Ø in static use

6 x Ø in dynamic use

Resistance to torsion and flexion: ★★★★★☆

Resistance to abrasion and tear: ★★★★★

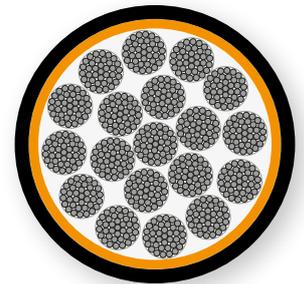
• Chemical

All materials comply with the RoHs and Reach european directives

Good resistance to ozone, water, UV radiations and mineral oils

Halogen free materials according to IEC 60754

No corrosive and low toxicity gases.



70 mm²

*General assembling: Helicoïdal stranding
Assembling protection by non woven polyester tape (covering : 25% min).*

AGP 400 M

| Nb cores x Cross section | Cable outer diameter (mm) | | Voltage drop (mV/Am)* | Maximum linear resistance at 20°C (Ω / km) | Maximal current rating (A) | Approx. Cable weight (kg / m) |
|-----------------------------|---------------------------------|------|---------------------------|--|----------------------------------|--------------------------------------|
| | Min | Max | | | | |
| 70 mm ² | 15.6 | 17.2 | 70 mm ² : 0.46 | 70 mm ² : 0.277 | 265 | 0.8 |

* Voltage drop between phase and neutral
For cos Φ = 0.8
Temperature = 20 degrees Celsius

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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