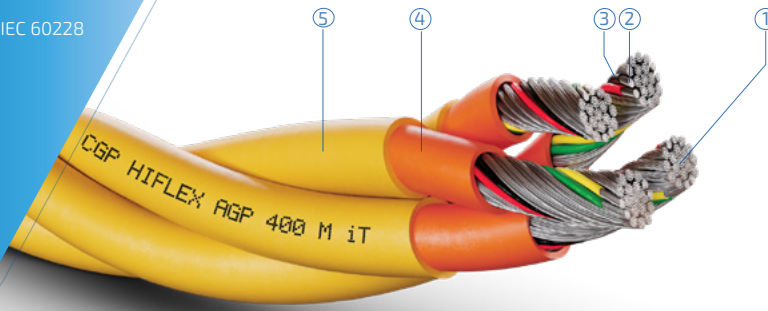


HIFLEX® AGP 400 M iT

- **Conductor**
- 1. Class 6 tin plated copper according to IEC 60228
- **Control core**
- 2. Class 6 tin plated copper according to IEC 60228
- 3. Polyester elastomer
- 4. Abrasion resistant polyurethan (abrasion indicator)
- 5. Abrasion resistant polyurethan



Applications

Extra-flexible electrical cable for electrical connection between the ground and the aircraft, allowing battery charging, pre-flight provisions, checks and maintenance operations.

Marking

CGP HIFLEX AGP 400 M iT -
1x[cross-section]mm² + 4x1mm² - 0.6/1kV -
[batch number]

Colour code

Control core: Yellow, green, red, black
Internal Sheath: Orange (abrasion indicator)
External Sheath: Yellow
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

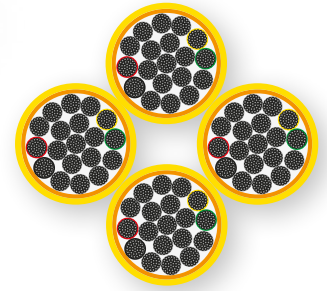
Operating voltage: 0.6 / 1 kV
Nominal voltage: 115 / 230 V
Test voltage: 4000 V

• 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.



4x(1x35 mm² + 4x1 mm²)
4x(1x50 mm² + 4x1 mm²)
4x(1x70 mm² + 4x1 mm²)

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

AGP 400 M iT

Nb cores x Cross section	Conductor diameter (mm)		Voltage drop (mV/Am)	Maximum linear resistance at 20°C (Ω / km)	Current rating	Approx. Cable weight (kg / m)
	Min	Max				
4x(1x35 mm ² + 4x1 mm ²)	32	36	1 mm ² : 49 35 mm ² : 1.3	1 mm ² : 20.5 35 mm ² : 0.554	154	2.1
4x(1x50 mm ² + 4x1 mm ²)	39	43	1 mm ² : 49 50 mm ² : 1.0	1 mm ² : 20.5 50 mm ² : 0.393	200	2.8
4x(1x70 mm ² + 4x1 mm ²)	43	47	1 mm ² : 49 70 mm ² : 0.77	1 mm ² : 20.5 70 mm ² : 0.277	265	3.8

For this product, please contact:

CGP SAS

62 route du Coin - 42400 Saint-Chamond - FRANCE
Phone: **+33 (0)4 77 31 02 54**
www.cgp@omerin.com



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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