

HIFLEX® AGP 400 M i

• **Conductor**

1. Class 6 tin plated copper according to IEC 60228

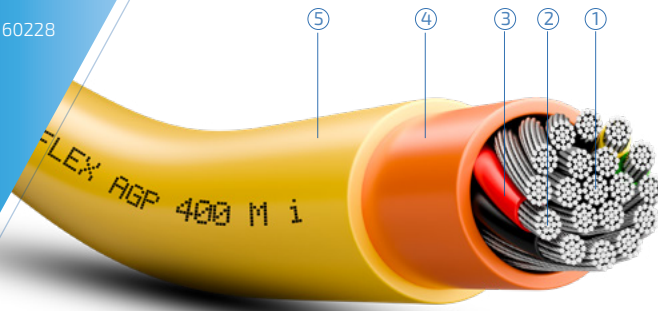
• **Control core**

2. Class 6 tin plated copper according to IEC 60228

3. Polyester elastomer
Helicoidal stranding of 2 conductors

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 i

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: ★★★★★

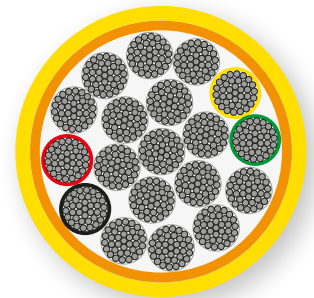
• **Chemical**

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.



1x35 mm² + 4x1 mm²
1x50 mm² + 4x1 mm²

Also available in
1x70 mm² + 4x1 mm²
1x95 mm² + 4x1 mm²
1x120 mm² + 4x1 mm²

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

AGP 400 M i

Nb cores x Cross section	Cable outer diameter (mm)		Voltage drop (mV/Am)	Maximum linear resistance at 20°C (Ω / km)	Maximal current rating	Approx. Cable weight (kg / m)
	Min	Max				
1x35 mm ² + 4x1 mm ²	12	16	1 mm ² : 49 35 mm ² : 1.3	1 mm ² : 20.5 35 mm ² : 0.554	154	0.5
1x50 mm ² + 4x1 mm ²	15	19	1 mm ² : 49 50 mm ² : 1	1 mm ² : 20.5 50 mm ² : 0.393	200	0.7
1x70 mm ² + 4x1 mm ²	17.5	19.5	1 mm ² : 49 70 mm ² : 0.68	1 mm ² : 20.5 70 mm ² : 0.277	265	0.9
1x95 mm ² + 4x1 mm ²	18	22	1 mm ² : 49 95 mm ² : 0.42	1 mm ² : 20.5 95 mm ² : 0.210	290	1.1
1x120 mm ² + 4x1 mm ²	23	27	1 mm ² : 49 120 mm ² : 0.35	1 mm ² : 20.5 120 mm ² : 0.164	340	1.5

For this product, please contact:

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