MOBILE APPLICATIONS

HIFLEX® AGP 400 M

Multicore

- **Conductor**

1. Class 6 red copper according to IEC 60228
2. Thermoplastic

- **Control core**

3. Class 6 tin plated copper according to IEC 60228
4. Thermoplastic
Helicoïdal stranding of 3 or 4 conductors

5. 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 - 7x[cross-section]mm² + 6x[nb control core]x1 mm² - 0.6/1kV – [batch number]

Colour code

Conductor:
Blue / white (x2) / brown (x2) / black (x2)
Control core: Black numbered
External Sheath: Orange
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**

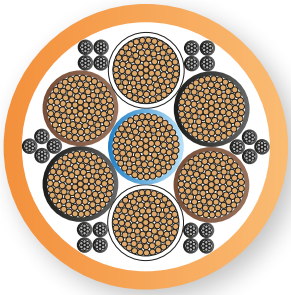
Operating voltage: 0.6 / 1 kV
Test voltage: 4000 V

- **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.



7x25 mm² + 6x4x1 mm²
7x35 mm² + 6x4x1 mm²

Also available in
7x25 mm² + 6x3x1 mm²
7x35 mm² + 6x3x1 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) Min	Cable outer diameter (mm) Max	Voltage drop (mV/Am)*	Maximum linear resistance at 20°C (Ω / km)	Maximal current rating per phase (A) *2	Approx. Cable weight (kg / m)
7x25 mm² + 6x3x1 mm²	35.5	38.5	50 mm²: 0.62	1 mm²: 20.5 25 mm²: 0.84	230	2.5
7x25 mm² + 6x4x1 mm²	35.5	38.5	50 mm²: 0.62	1 mm²: 20.5 25 mm²: 0.84	230	2.5
7x35 mm² + 6x3x1 mm²	37.5	40.5	70 mm²: 0.46	1 mm²: 20.5 35 mm²: 0.60	280	3.2
7x35 mm² + 6x4x1 mm²	37.5	40.5	70 mm²: 0.46	1 mm²: 20.5 35 mm²: 0.60	280	3.2

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

**2 : (Tambient: 30°C / Tconductor: 90°C)*

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