MOBILE APPLICATIONS

HIFLEX® AGP 400 M iTN

- **Phase conductor**

1. Class 6 tin plated copper according to IEC 60228
2. TPE-V thermoplastic rubber

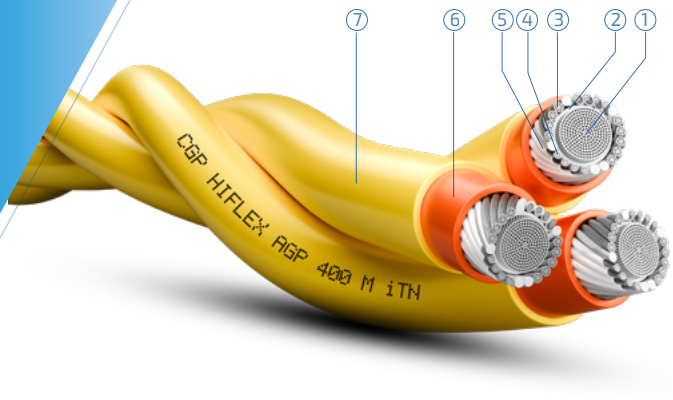
- **Neutral conductor**

3. Stranded tin plated copper

- **Control core**

4. Class 6 tin plated copper according to IEC 60228
5. Polyester elastomer

6. Abrasion resistant polyurethan (abrasion indicator)
7. 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 iTN
1x[cross-section]mm² + [nb neutral conductor]x[cross-section]mm²
+ 8x1mm² - 0.6/1kV – [batch number]

Colour code

Phase Conductor: White
Control core: White numbered
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**

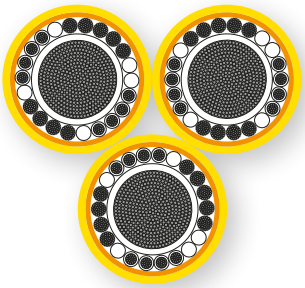
Operating voltage: 0.6 / 1 kV
Nominal voltage: 115 / 230 V
Test voltage: 4000 V
Maximal current rating : 270A
(Tambient: 30°C / Tconductor: 90°C)

- **Mechanical strength**

Minimal bending radius : 3 x Ø in static use
4 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
Flame retardant cable according to IEC60332-1
No corrosive and low toxicity gases.



3x(1x50 mm² / 20 + 8x1 mm²)
3x(1x70 mm² / 25 + 8x1 mm²)

Concentric stranding of 8 control conductors + neutral conductor + eventual fillers for cylindricity around the phase conductor.

Assembling protection by non wooven polyester tape (covering : 25% mini).

AGP 400 M iTN

Nb cores x Cross section	Cable outer diameter (mm)		Voltage drop (mV/Am)	Maximum linear resistance at 20°C (Ω / km)	Approx. Cable weight (kg / m)
	Min	Max			
3x(1x50 mm²/ 20 + 8x1 mm²)	42.5	45.5	1 mm²: 49 50 mm²: 1.0	1 mm²: 20.5 50 mm²: 0.393	3.1
3x(1x70 mm²/ 25 + 8x1 mm²)	47.5	50.5	1 mm²: 49 70 mm²: 0.77	1 mm²: 20.5 70 mm²: 0.277	3.8

For this product, please contact:
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