REELING APPLICATIONS

HIFLEX® AGP 400 R

• Conductor
1. Class 6 red copper according to IEC 60228
2. TPE-V thermoplastic rubber

• Control core
3. Class 6 tin plated copper according to IEC 60228
4. Polyester elastomer
Helicoïdal stranding of 3 or 4 conductors

5. Abrasion resistant polyurethan
6. Anti twisting braid
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.
Suitable for use on reel.

Marking

CGP HIFLEX AGP 400 R -
7x[cross-section]mm² + 6x[nb control core] x1 mm² - 0.6/1kV – [batch number]

Colour code

Phase Conductor:
Blue / White (x2) / Brown (x2) / Black (x2)
Control core: Black numbered
Internal Sheath: Orange
External Sheath: Orange
Other: please consult us.

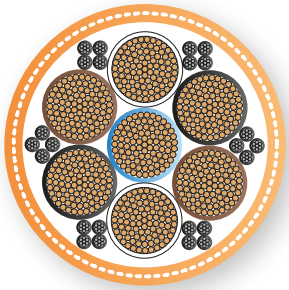
General characteristics

• 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
Nominal voltage: 115 / 230 V
Test voltage: 4000 V
Maximal current rating : 25mm² : 210A / 35mm² : 270A
(Tambient : 30°C / Tconductor : 90°C)

• 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 wooven polyester tape (covering: 25% min).

AGP 400 R

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			
7x25 mm² + 6x3x1 mm²	37.5	40.5	1 mm² : 49 25 mm² : 1.85	1 mm² : 20.5 25 mm² : 0.84	2.7
7x25 mm² + 6x4x1 mm²	37.5	40.5	1 mm² : 49 25 mm² : 1.85	1 mm² : 20.5 25 mm² : 0.84	2.7
7x35 mm² + 6x3x1 mm²	39.5	42.5	1 mm²: 49 35 mm² : 1.3	1 mm² : 20.5 35 mm² : 0.60	3.3
7x35mm² + 6x4x1mm²	39.5	42.5	1 mm²: 49 35 mm² : 1.3	1 mm² : 20.5 35 mm² : 0.60	3.3

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