

# HIFLEX® AGP 400 R 6

• **Phase conductor**

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

• **Neutral split conductor**

3. Class 6 red copper according to IEC 60228
4. Polyester elastomer

• **Control core**

5. Class 6 tin plated copper according to IEC 60228
6. Polyester elastomer  
*Helicoidal stranding of 4 conductors*
7. Abrasion resistant polyurethan
8. Anti twisting braid
9. 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 6 – 6x35 mm<sup>2</sup> + 6x6 mm<sup>2</sup> + 6X4X1 mm<sup>2</sup> – 0.6/1kV [batch number]

## Colour code

Phase Conductor: White (x2) / Brown (x2) / Black (x2)  
Neutral Conductor: Blue  
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**

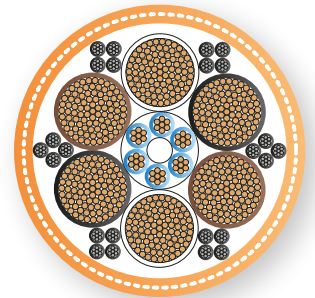
Operating voltage: 0.6 / 1 kV  
Nominal voltage: 115 / 230 V  
Test voltage: 4000 V  
Maximal current rating : 270A  
(*Tambient : 30°C / Tconductor : 90°C*)

• **Mechanical strength**

Minimal bending radius : 3 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.



6x35 mm<sup>2</sup> + 6x6 mm<sup>2</sup> + 6x4x1 mm<sup>2</sup>

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

## AGP 400 R 6

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			
6x35 mm <sup>2</sup> + 6x6 mm <sup>2</sup> + 6x4x1 mm <sup>2</sup>	39.5	42.5	1 mm <sup>2</sup> : 49 6 mm <sup>2</sup> : 6.7 35 mm <sup>2</sup> : 1.3	1 mm <sup>2</sup> : 20.5 6 mm <sup>2</sup> : 3.6 35 mm <sup>2</sup> : 0.6	3.4

**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](http://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.

© Registered trademark of the CGP SAS. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of CGP SAS.