

# HIFLEX® AGP 400 F

• **Conductor**

1. Class 5 red copper according to IEC 60228
2. Polyethylen

• **Control core**

3. Class 6 tin plated copper according to IEC 60228
4. Polyester elastomer  
*Helicoidal stranding of 4 conductors*
5. Halogen free polyolefin



## Applications

Electrical cable for fixed installation: underground connection between the power unit and the stationary unit, allowing battery charging, pre-flight provisions, checks and maintenance operations.

## Marking

CGP HIFLEX AGP 400 F – 7x35mm<sup>2</sup>  
+ 6x4x1 mm<sup>2</sup> – 0.6/1kV – [batch number]

## Colour code

Conductor: Blue / black numbered 1 to 3 (x2)  
Control core: White numbered  
External Sheath: Black  
Other: please consult us.

## General characteristics

• **Thermal**

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: Power cores: 4000 V  
Control cores: 1500 V  
Maximal current rating: 270A  
(*Tambient: 30°C / Tconductor: 90°C*)

• **Mechanical strength**

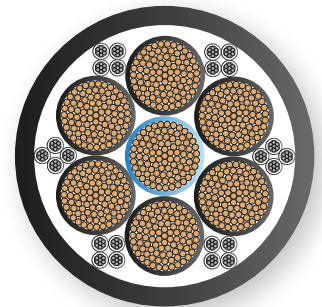
Minimal bending radius: 7 x Ø in static use

• **Chemical**

All materials comply with the RoHs and Reach european directives  
Good resistance to chemical attack  
Halogen free materials according to IEC 60754-1  
Low corrosivity according to IEC 60754-2  
Low emission of opaque smoke according to IEC61034-2  
Water resistance: AD6.

• **Fire-performance**

Flame retardant according to IEC60332-1



7x35 mm<sup>2</sup> + 6x4x1 mm<sup>2</sup>

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

### AGP 400 F

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			
7x35 mm <sup>2</sup> + 6x4x1 mm <sup>2</sup>	35.5	38.5	1 mm <sup>2</sup> : 49 35 mm <sup>2</sup> : 1.3	1 mm <sup>2</sup> : 20.5 35 mm <sup>2</sup> : 0.60	2.8

**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.