

# HIFLEX® AGP 400 R 3

**• Phase conductor**

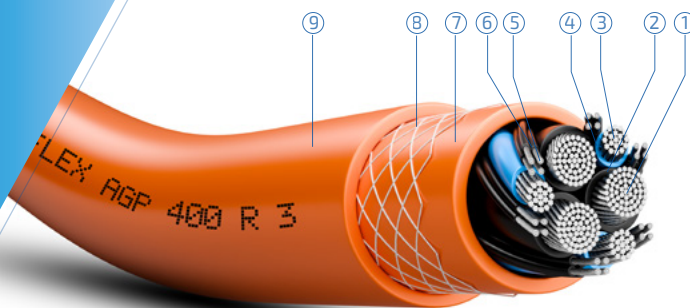
1. Class 6 tin plated copper according to IEC 60228
2. TPE-V thermoplastic rubber

**• Neutral conductor**

3. Extra flexible tin plated copper
4. TPE-V thermoplastic rubber

**• 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 3 -  
3x[*cross-section*]mm<sup>2</sup>  
+ 3x[*cross-section*]mm<sup>2</sup>  
+ 6X4X1 mm<sup>2</sup> - 0.6/1kV - [batch number]

## Colour code

Phase Conductor: Black numbered  
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: 50mm<sup>2</sup> : 210 A / 70mm<sup>2</sup> : 270A  
(*Tambient: 30°C / Tconductor: 90°C*)

**• Mechanical strength**

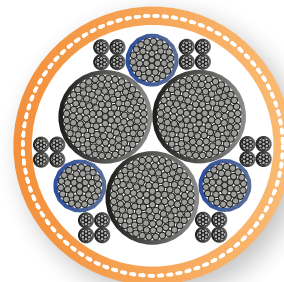
Minimal bending radius: 4 x Ø in static use  
6 x Ø in dynamic use

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.



3x50 mm<sup>2</sup> + 3x10 mm<sup>2</sup> + 6x4x1 mm<sup>2</sup>  
3x70 mm<sup>2</sup> + 3x12 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 3

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			
3x50 mm <sup>2</sup> + 3x10 mm <sup>2</sup> + 6x4x1 mm <sup>2</sup>	34.5	37.5	1 mm <sup>2</sup> : 49 10 mm <sup>2</sup> : 3.82 50 mm <sup>2</sup> : 1	1 mm <sup>2</sup> : 20.5 10 mm <sup>2</sup> : 2.05 50 mm <sup>2</sup> : 0.41	2.8
3x70 mm <sup>2</sup> + 3x12 mm <sup>2</sup> + 6x4x1 mm <sup>2</sup>	39.5	42.5	1 mm <sup>2</sup> : 49 12 mm <sup>2</sup> : 2.9 70 mm <sup>2</sup> : 0.77	1 mm <sup>2</sup> : 20.5 12 mm <sup>2</sup> : 1.65 70 mm <sup>2</sup> : 0.277	3.4

**For this product, please contact:**

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