

# Avio Global C

## Aircraft refuelling hose, type C



**Specifications:**

API 1529:2005. AS 2683. ISO 1825. NFPA 407. VG 95955.

**Application:**

softwall hose designed for the ground fuelling of aircrafts. The hose can be rolled up onto reels and is suitable to convey petroleum products and jet A1 fuel with aromatic content up to 50%.

Suitable for reels

Length up to 60 m

It complies with the regulations of various countries



**Tube:**

extruded, black, smooth, NBR rubber.

**Reinforcement:**

high strength synthetic cord.

**Cover:**

black, smooth (wrapped finish), antistatic synthetic rubber, resistant to weathering, abrasion and traces of oil.

**Temperature:**

from -25°C (-13°F) to +70°C (+158°F).

**Electrical resistance:**

electrically conductive.

**Branding:**

continuous yellow brand "IVG (family logo)..."- embossed marking with requested specification.



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Code	Inside diameter		Outside diameter		Working pressure		Burst pressure		Weight nominal		Min. Reel size		Length max	
	mm	inch	mm	inch	bar	psi	bar	psi	kg/m	lbs/ft	mm	inch	m	ft
1455087	19	3/4	32	1,26	20	300	80	1200	0,59	0,40	225	8,9	60	200
1453475	25	1	38	1,50	20	300	80	1200	0,73	0,49	300	11,8	60	200
1453262	32	1-1/4	45	1,77	20	300	80	1200	0,9	0,60	375	14,8	60	200
1453041	38	1-1/2	52	2,05	20	300	80	1200	1,1	0,72	450	17,7	60	200
1450247	50	1-31/32	67	2,64	20	300	80	1200	1,74	1,14	550	21,7	60	200
1451928	63,5	2-1/2	80	3,15	20	300	80	1200	2,07	1,38	600	23,6	60	200
1453580	75	2-61/64	91	3,59	20	300	80	1200	2,32	1,56	600	23,6	60	200
1450255	100	3-15/16	118	4,65	20	300	80	1200	3,38	2,27	900	35,5	60	200

### Variants available on request:

1. Avio Global type B, softwall conductive.
2. Fluorescent marking, which allows the visibility during night operations.

### Recommended Couplings:



Camlock EN 14420-7 (DIN 2828)



TW EN 14420-6



Thread coupling EN 14420-5 (DIN 2817)

## SPECIAL DETAILS

### WARNINGS AND PRECAUTIONS

Rubber hoses have a service life proportional to their usage.

The equipment and systems where the hose is installed must be designed to ensure safe operation. Given the wide range of possible applications, IVG Colbachini does not guarantee suitability for all specific uses. The selection of the most appropriate product for the intended application, ensuring the required performance and safety standards, is the sole responsibility of the user.

IVG Colbachini shall therefore not be held liable for any use other than those indicated in its catalogues, product data sheets, quotations, order confirmations, or any accompanying recommendations.

Improper product selection and/or use, or failure to comply with installation, operation, maintenance, and storage procedures, may result in hose failure and cause damage to property or personal injury.

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IVG Colbachini manufactures and markets both assembled hoses and hoses supplied without fittings.

#### Assembled Hoses

Before being placed on the market, the hose assembly is subjected by IVG to manufacturing control tests carried out by qualified personnel.

IVG declines all responsibility for any subsequent modifications, disassembly, or reinstallation of fittings performed by the user, as well as for uses that differ from those indicated in the product data sheet or in the absence of maintenance programs and periodic inspections.

#### Hoses and Fittings as spare parts

The user is responsible for assembling the hose and fittings, ensuring proper hose/fitting compatibility and compliance with the technical specifications for use. It is recommended that the hose assembly be subjected to a pressure tightness test carried out by qualified personnel.

IVG declines all responsibility in this regard.

#### Precautions

For proper selection and correct use of IVG products, reference should also be made to the recommendations issued by Assogomma, available at [www.ivgspa.it](http://www.ivgspa.it), in accordance with ISO 8331 regarding installation, maintenance, methods and duration of use, as well as fitting stability and tightness.

**For safety reasons, the working pressure indicated in the product technical data sheet must never be exceeded.**

**In general, continuous operation at maximum allowable pressure and/or temperature may significantly reduce the hose service life. Regular inspections and hydrostatic testing at the specified test pressure must therefore be carried out. Hydrostatic tests must be performed by adequately trained personnel using suitable equipment and in accordance with recognized testing standards.**

For specific applications of rubber hoses, reference should be made to applicable legal requirements or compliance standards. Additional recommendations are available for particularly critical applications. For further information, please contact [info@ivgspa.it](mailto:info@ivgspa.it).