

UIC Polar

Rail brake hose very low temperature, up to -50°C (-58°F)



Specifications:
UIC-830-1-85.

Application:

softwall hose designed as a flexible connection in air brake systems on rail carriages and locomotives. Suitable for temperatures up to -50°C . Coils: supplied usually in application lengths with tapered ends.

According to UIC-830-1
Length up to 120 m
Resistant up to -50°C



Tube:

black, smooth, synthetic rubber.

Reinforcement:

high strength synthetic cord.

Cover:

black, smooth (wrapped finish), synthetic rubber, flame proof, weathering and ozone resistant.

Temperature:

from -50°C (-58°F) to $+70^{\circ}\text{C}$ ($+158^{\circ}\text{F}$).

Branding:

embossed label "IVG/year of production/batch/UIC-830-1".



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Code	Inside diameter		Outside diameter		Burst pressure		Weight nominal		Length max	
	mm	inch	mm	inch	bar	psi	kg/m	lbs/ft	m	ft
1467654	8	5/16	23	0,91	70	1050	0,42	0,28	120	400
1467646	10	25/64	25	0,98	70	1050	0,47	0,32	120	400
1476130	13	1/2	28	1,10	70	1050	0,55	0,37	120	400
1468898	16	5/8	31	1,22	70	1050	0,63	0,42	120	400
1400043	18	23/32	33	1,30	70	1050	0,70	0,47	120	400
1467638	19	3/4	34	1,34	70	1050	0,71	0,48	120	400
1486667	22	55/64	40	1,57	70	1050	0,98	0,66	120	400
1468219	25	1	43	1,69	70	1050	1,07	0,73	120	400
1465554	28	1-7/64	46	1,81	70	1050	1,16	0,79	120	400
1400046	35	1-3/8	53	2,09	70	1050	1,40	0,94	120	400

Variants available on request:

1. Different diameters.
2. Rail couplings.

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.

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, 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.