FLUKE®

Calibration

DH400™

High Pressure Flex Tubes

Technical Data

A three-ply flexible tube with factory installed stainless steel tips



Features

- Lightweight: tube weight is only 16 g/m of length (0.5 oz/yd)
- Working pressure: up to 6 000 psi (40 MPa)
- Flexibility: bending radius of 2.4 cm (15/16 in) at maximum operating pressure
- Temperature: no derating of operating pressure for temperatures from –34 °C to 60 °C (–30 °F to 140 °F)
- Weather: inert to ozone and ultraviolet
- Safety: burst pressure of 20 000 psi (140 MPa) for a 3.3 margin with operating pressure
- Aging: negligible humidity absorption
- Growth: less than 5 % physical change overall at maximum operating pressure
- Chemical resistance: compatible with an extremely wide range of liquid and gas media

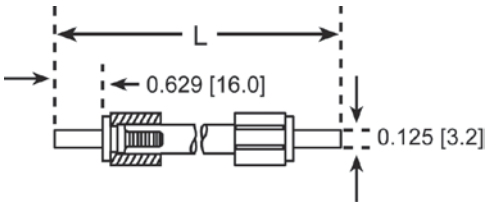
The DH400 High Pressure Flex Tubes are constructed of a polyamide core tube with a high tensile, reinforced synthetic fiber and polyamide outer cover. They are used in systems where high pressure flexible connections are needed to facilitate frequent make and break operations, allow individual movement of components under pressure and/or withstand high frequency vibration.

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Standard lengths

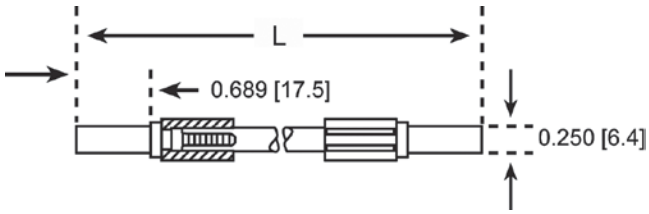
Lengths shown for each tube configuration are standard.
Other non-standard lengths are available up to 90 m (300 ft).

1/8 in plain adapter tip



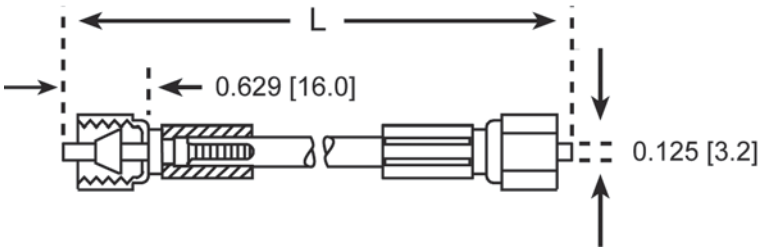
Model	L
F1818-12	30.5 cm (12 in)
F1818-24	61 cm (24 in)
F1818-36	91 cm (36 in)
F1818-48	122 cm (48 in)
F1818-60	152 cm (60 in)
F1818-72	183 cm (72 in)
F1818-96	244 cm (96 in)

1/4 in plain adapter tip



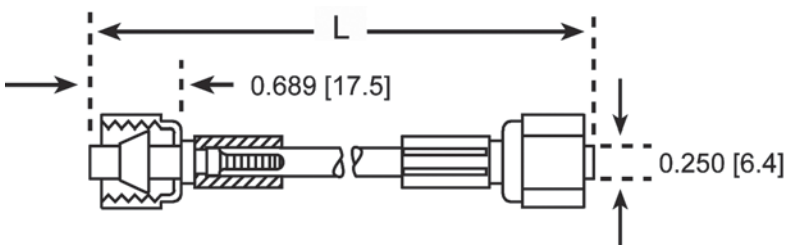
F1414-12	30.5 cm (12 in)
F1414-24	61 cm (24 in)
F1414-36	91 cm (36 in)
F1414-48	122 cm (48 in)
F1414-60	152 cm (60 in)
F1414-72	183 cm (72 in)
F1414-96	244 cm (96 in)

1/8 in plain adapter tip with nuts and ferrules installed



Model	L
F1818SNF-12	30.5 cm (12 in)
F1818SNF-24	61 cm (24 in)
F1818SNF-36	91 cm (36 in)
F1818SNF-48	122 cm (48 in)
F1818SNF-60	152 cm (60 in)
F1818SNF-72	183 cm (72 in)
F1818SNF-96	244 cm (96 in)

1/4 in plain adapter tip with nuts and ferrules installed

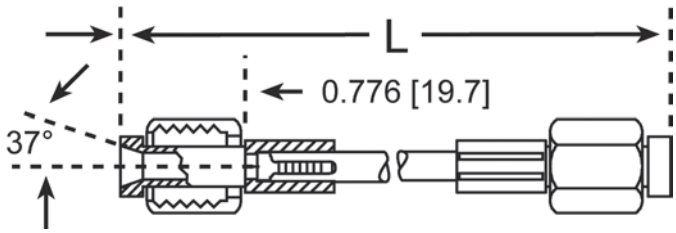


Model	L
F1414SNF-12	30.5 cm (12 in)
F1414SNF-24	61 cm (24 in)
F1414SNF-36	91 cm (36 in)
F1414SNF-48	122 cm (48 in)
F1414SNF-60	152 cm (60 in)
F1414SNF-72	183 cm (72 in)
F1414SNF-96	244 cm (96 in)

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Standard lengths

AN4 type flare tip



Model	L
F3737-12	30.5 cm (12 in)
F3737-24	61 cm (24 in)
F3737-36	91 cm (36 in)
F3737-48	122 cm (48 in)
F3737-60	152 cm (60 in)
F3737-72	183 cm (72 in)
F3737-96	244 cm (96 in)

Compatibility chart

\+ = Resistant
\- = Non-Resistant
0 = Relatively Resistant
@ = Not Yet Tested

	7 °C (20 °F)	16 °C (60 °F)
Acetate Solvents	+	+
Acetic Acid 10%	+	0
Acetone	+	+
Acetylene	+	+
Aluminum	+	+
Aluminum Chloride	+	+
Aluminum Fluoride 20%	0	0
Aluminum Sulfate	+	+
Ammonia, Conc.	+	-
Ammonium Chloride	+	+
Ammonium Hydroxide	+	+
Ammonium Nitrate	+	+
Ammonium Phosphate	+	+
Ammonium Sulfate	+	+
Amyl Acetate	+	+
Amyl Alcohol	+	+
Aniline Dyes	+	+
Barium Chloride	+	+
Barium Hydroxide	+	+
Barium Sulfide	+	+
Benzene	+	0
Borax	+	+
Boric Acid	+	+
Brake Fluid	+	+
Bromine	-	-
Butane	+	+
Butanone	+	+
Butyl Acetate	+	+
Butyl Alcohol	+	+
Calcium Bisulfite	+	+
Calcium Chloride 10%	+	+
Calcium Hydroxide	+	+
Calcium Hypochlorite 50%	0	-
Carbon Dioxide	+	+
Carbon Disulfide	0	-
Carbon Monoxide	+	+
Carbon Tetrachloride	+	+
Chlorine Gas	-	-
Chloroacetone	+	0
Chlorobenzene	0	-
Chloroform	0	-
Chlorosulforic Acid	-	-
Chloracetic Acid	0	-
Chromic Acid	-	-
Copper Chloride	+	+
Copper Sulfate	+	+

	7 °C (20 °F)	16 °C (60 °F)
Crude Oil	+	+
Dibutyl Phthalate	+	+
Diesel Oil, Light	+	+
Essential Oils	+	+
Ether	0	-
Ethyl Alcohol	+	+
Ethyl Acetate	+	+
Ethyl Chloride	+	+
Ethylene Glycol	+	+
Ferric Chloride 10%	+	+
Ferric Sulfate	+	+
Fluorosilicic Acid	-	-
Formaldehyde	+	0
Formic Acid 10%	+	0
Fuel Oil	+	+
Gas Oil	+	+
Gasoline	+	+
Glucose	+	+
Glycerin, Glycerol	+	+
Glycol	+	+
Glysantine	+	+
Grease	+	+
Heptane	+	+
Hexane	+	+
Hydrofluoric Acid	-	-
Hydrogen	+	+
Hydrogen Peroxide	+	+
Hydrogen Sulfide	+	0
Iron Salt Solvents	+	+
Lactic Acid 10%	+	0
Linseed Oil	+	+
Liquid Gas	+	+
Lubricating Oils	+	+
Magnesium Chloride	+	+
Magnesium Hydroxide	+	+
Magnesium Sulfate	+	+
Mercury	+	+
Mercury Chloride	+	+
Methyl Alcohol	+	+
Methyl Chloride	0	-
Methyl Ethyl Ketone	+	+
Methyl Isopropyl Ketone	+	+
Mineral Oil	+	+
Naphtha	+	+
Natural Gas	+	+
Nickel Chloride	+	+

	7 °C (20 °F)	16 °C (60 °F)
Nickel Sulfate	+	+
Nitric Acid	-	-
Nitrobenzene	0	0
Oleic Acid	+	0
Oxalic Acid, Dilute	+	0
Oxygen	+	+
Perchlorethylene	+	+
Petrol (Kerosene)	+	+
Phenol	-	-
Potassium Chloride	+	+
Potassium Cyanide	+	+
Potassium Hydroxide	+	+
Potassium Sulfate	+	+
Propane	+	+
Seawater	+	+
Soda Lye 40%	+	+
Sodium Bicarbonate 10%	+	+
Sodium Bisulfate	+	+
Sodium Carbonate	+	+
Sodium Chloride	+	+
Sodium Cyanide	+	+
Sodium Hydroxide 20%	+	+
Sodium Hypochlorite 5%	+	+
Sodium Nitrate	+	+
Sodium Perborate	+	0
Sodium Silicate	+	+
Sodium Sulfate	+	+
Sodium Sulfide	+	+
Sodium Thiosulfate	+	+
Sole	+	+
Sulfur	+	+
Sulfur Chloride	-	-
Sulfur Dioxide	+	+
Sulfur Trioxide	-	-
Sulfuric Acid 10%	0	-
Thiophene	+	0
Tin Chloride	+	+
Toluene	+	0
Trichlorethylene	0	0
Varnishes	+	+
Water	+	+
Xylene	+	0
Zinc Chloride	+	+
Zinc Sulfate	+	+

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Non-flammable hydraulic fluids

	7 °C (20 °F)	16 °C (60 °F)
Houghten Safe 360	+	+
Houghten Safe 440	+	+
Houghten Safe 620	+	+
Bergbau Safe 620 B/36	+	+
Bergbau Safe 1010	+	+
Bergbau Safe 1120	+	+
Bergbau Safe 1125	+	+
HSD 16-Bayer Elaol-VL	+	+
HSD 25-BP-Olex SFD 0204	+	+
Pydraul 10E	+	+
Pydraul 29E LT	+	+

	7 °C (20 °F)	16 °C (60 °F)
Pydraul 30E	+	+
Pydraul 50E	+	+
Pydraul 65E	+	+
Pydraul 90E	+	+
Pydraul 115E	+	+
Pydraul 230C	+	+
Pydraul 312C	+	+
Pydraul 540C	+	+
Skydrol 500	+	+
Skydrol 700	+	+

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