



**Phthalate
FREE**



A109 Series Colored, Electrically Conductive Hose

General Applications:

- Hose assemblies for anesthesia, respiratory, dental and surgical equipment
- Air/gas hose assembly between wall supply line and portable equipment

Construction:

- **Tube** - Phthalate Free black conductive coextruded bead/clear PVC compound.
- **Reinforcement** - Polyester yarn.
- **Cover** - Phthalate Free colored or clear PVC compound.

Service Temperature Range:

+25°F (-4°C) to +150°F (+65°C)

Branding:

Laser etched, repeated approximately every 18": (ACCUFLEX 109 UL LISTED ELECTRICALLY CONDUCTIVE HOSE RELATING TO HAZARDOUS LOCATIONS 8M33 XXX PSI) (1/4" is 250 PSI, 5/16" is 200 PSI)

Additional Information:

- **Electrical Resistance:** Maximum resistance of 30,000 OHMS/foot of hose
- **Dimensions of Tube Components:**
Conductive Bead Min. Exposure: .080"
Total Tube Thickness: 1/4" (.050" - .075") and 5/16" (.070" - .085")
- **Pressure Ratings:** 1/4" - 250 PSI WP at 70°F / Minimum Burst 1250 PSI at 70°F.
5/16" - 200 PSI WP at 70°F / Minimum Burst 1000 PSI at 70°F.

Heavy Wall Dimensions:

1/4" - 0.255" ± .015" I.D. X 0.500" ± .015" O.D.
5/16" - 0.318" ± .015" I.D. X 0.560" ± .020" O.D.

Compliances:

Listed under UL 1067 (File MH17774)
When properly fitted with couplings, Series A109 hose will satisfy the requirements of CAN/CSA - Z5359-16 and CAN/CSA-Z305.8-03.

Additional Compliance details on page 2

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

Additional Compliance Details:

FDA – The PVC ingredients used are sanctioned for food contact use under CFR title 21, parts 170-199 or FD&C Act, section 409(h), notifications relating to food contact substance.

Phthalate Free – Manufactured from all phthalate free materials.

RoHS – The product complies with the requirements of the EU directive 2002/95/EC which is on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Accuflex Medical Hoses (Standard Wall)

NOMINAL SPECIFICATIONS											
Item Number	Hose Color (cover / core)	Gas		ID		OD		Working Pressure (psi)	Min. Burst Pressure (psi)	Standard Length (ft)	Weight per Pkg. (lbs)
		(US)	(Canada)	(in)	(mm)	(in)	(mm)				
A1090-04SX250	Clear / Black	N/A	Medical Air	1/4	6.4	0.460	11.7	250	1250	250	18
A1090-05SX250	Clear / Black	N/A	Medical Air	5/16	8.1	0.560	14.2	200	1250	250	27
A1091-04SX250	Yellow / Clear	Medical Air	Suction	1/4	6.4	0.460	11.7	250	1250	250	18
A1091-05SX250	Yellow / Clear	Medical Air	Suction	5/16	8.1	0.560	14.2	200	1000	250	27
A1093-04SX250	Black / Clear	N ₂	N ₂	1/4	6.4	0.460	11.7	250	1250	250	18
A1093-05SX250	Black / Clear	N ₂	N ₂	5/16	8.1	0.560	14.2	200	1000	250	27
A1095-04SX250	White / Clear	Suction	O ₂	1/4	6.4	0.460	11.7	250	1250	250	18
A1095-05SX250	White / Clear	Suction	O ₂	5/16	8.1	0.560	14.2	200	1000	250	27
A1096-04SX250	Blue / Clear	N ₂ O	N ₂ O	1/4	6.4	0.460	11.7	250	1250	250	18
A1096-05SX250	Blue / Clear	N ₂ O	N ₂ O	5/16	8.1	0.560	14.2	200	1000	250	27
A1097-04SX250	Green / Clear	O ₂	N/A	1/4	6.4	0.460	11.7	250	1250	250	18
A1097-05SX250	Green / Clear	O ₂	N/A	5/16	8.1	0.560	14.2	200	1000	250	27
A1098-05SX250	Gray / Clear	CO ₂	CO ₂	5/16	8.1	0.560	14.2	200	1000	250	27
A1099-05SX250	Purple / Clear	Evacuation	Evacuation	5/16	8.1	0.560	14.2	200	1000	250	27

Accuflex Medical Hoses (Heavy Wall)

NOMINAL SPECIFICATIONS											
Item Number	Hose Color (cover / core)	Gas		ID		OD		Working Pressure (psi)	Min. Burst Pressure (psi)	Standard Length (ft)	Weight per Pkg. (lbs)
		(US)	(Canada)	(in)	(mm)	(in)	(mm)				
A1090-04HX250	Clear / Black	N/A	Medical Air	1/4	6.4	0.500	12.7	250	1250	250	23
A1091-04HX250	Yellow / Clear	Medical Air	Suction	1/4	6.4	0.500	12.7	250	1250	250	23
A1093-04HX250	Black / Clear	N ₂	N ₂	1/4	6.4	0.500	12.7	250	1250	250	23
A1094-04HX250	Red / Clear	Instrument Air	N/A	1/4	6.4	0.500	12.7	250	1250	250	23
A1095-04HX250	White / Clear	Suction	Oxygen	1/4	6.4	0.500	12.7	250	1000	250	23
A1096-04HX250	Blue / Clear	N ₂ O	N ₂ O	1/4	6.4	0.500	12.7	250	1250	250	23
A1097-04HX250	Green / Clear	O ₂	N/A	1/4	6.4	0.500	12.7	250	1250	250	23
A1098-04HX250	Grey / Clear	CO ₂	CO ₂	1/4	6.4	0.500	12.7	250	1250	250	23
A1099-04HX250	Purple / Clear	Evacuation	Evacuation	1/4	6.4	0.500	12.7	250	1250	250	23

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Cautionary Statement

All Products sold and distributed by Accuflex Industrial Hose, Ltd. are in the nature of commodities and they are sold by published specifications and not for particular purposes, uses or applications. Purchaser shall first determine their suitability for the intended purposes, uses or applications and shall either conduct its own engineering studies or tests, or retain qualified engineers, consultants or testing laboratories and consult with them before determining the proper use, suitability or propriety of the merchandise or Products for the intended purposes, uses or applications.

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Limited Warranty

The Products sold or distributed by Seller are warranted to its customers to be free from defects in material and workmanship at the time of shipment by us, subject to the following provisions.

ALL WARRANTY CLAIMS SHALL BE MADE WITHIN SIX (6) MONTHS AFTER SELLER SHIPPED THE PRODUCTS. SELLER'S LIABILITY HEREUNDER IS LIMITED AT SELLER'S EXCLUSIVE DISCRETION, TO 1) THE PURCHASE PRICE OF ANY PRODUCTS PROVING DEFECTIVE; 2) REPAIR OF ANY DEFECTIVE PRODUCT OR PART THEREOF; OR 3) REPLACEMENT OF ANY DEFECTIVE PRODUCT OR PART UPON ITS AUTHORIZED RETURN TO SELLER.

THIS WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, STATUTORY, OR OTHERWISE CREATED UNDER APPLICABLE LAW INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR

Hose or tubing used in bent configurations will be subjected to increased abrasion. Hose clamps or couplings may loosen after initial installation and all sections of hose and tubing including connections, couplings, clamps, conductivity and bonding should be inspected frequently, regularly and consistently, and should be replaced, adjusted or re-tightened for the avoidance of leakage, for the prevention of injuries or damages, and for general safety purposes. Except as indicated in its Limited Warranty, Seller shall not be liable or responsible for direct or indirect injuries or damages caused by or attributed to the failure or malfunction of any Products sold or distributed by it.

Purchasers or users of the Products should frequently and consistently undertake inspections and protective measures with respect to the use and application of Products, which should include the examination of tube and cover, conditions of the hose or tubing, and the identification, repair or replacement of sections showing cracking, blistering, separations, internal and external abrasions, leaking or slipped couplings or connections and make proper proof tests.

PURPOSE. IN NO EVENT SHALL SELLER OR THE MANUFACTURER OF THE PRODUCT BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOSS OF PROFITS, WHETHER OR NOT CAUSED BY OR RESULTING FROM THE NEGLIGENCE OF SELLER AND/OR THE MANUFACTURER OF THE PRODUCT, UNLESS SPECIFICALLY PROVIDED HEREIN. IN ADDITION, THIS WARRANTY SHALL NOT APPLY TO ANY PRODUCTS OR PORTIONS THEREOF WHICH HAVE BEEN SUBJECTED TO ABUSE, MISUSE, IMPROPER INSTALLATION, MAINTENANCE, OR OPERATION, ELECTRICAL FAILURE OR ABNORMAL CONDITIONS, AND TO PRODUCTS WHICH HAVE BEEN TAMPERED WITH, ALTERED, MODIFIED, REPAIRED, REWORKED BY ANYONE NOT APPROVED BY SELLER, OR USED IN ANY MANNER INCONSISTENT WITH THE PROVISIONS OF THE "CAUTIONARY STATEMENT" ABOVE OR ANY INSTRUCTIONS OR SPECIFICATIONS PROVIDED WITH OR FOR THE PRODUCT.

10/2004



Accuflex Industrial Hose, Ltd.
A KURIYAMA GROUP COMPANY

36663 Van Born Road, Suite 300
Romulus, MI 48174

 (734) 713-4100  (734) 713-4190

 Accuflex.com  sales@accuflex.com

Kuri Tec Corporation
A KURIYAMA GROUP COMPANY

140 Roy Boulevard
Brantford, ON, Canada N3R 7K2

 (519) 753-6717  (519) 753-7737

 Kuritec.com  sales@kuritec.com