



### Siechem Anti-capillary Wires

#### Application

- ✓ Anti capillary effect of high pressure hot oil Leaks from Air condition compressors to circuit boards.
- ✓ These wires protects the vital sensors in automobiles electronic devices in automobiles by preventing the flow of liquids and fluids.
- ✓ This replaces the conventional usage of expensive water blocking and water proof materials.

#### Features

- ✓ Electron beam cross linked.
- ✓ Does not drip and soldering iron resistant
- ✓ Barrier- Sealed.
- ✓ High and low temperature resistance.
- ✓ Ozone and weathering resistance.
- ✓ Resistance to pressure at high temperature.
- ✓ Insulation is resistant to most of the oils used in 2 wheelers, passenger cars, trucks and oil leaks from AC compressors.
- ✓ Flame retardant.
- ✓ Abrasion resistance.
- ✓ Fluid block resistance.

#### Product Construction

- ✓ Conductor : Annealed Plain (or) Tinned Copper Conductor
- ✓ Filling : Specially formulated barrier sealing compound
- ✓ Insulation : EBXL Special polymer uni sheathed
- ✓ Colour : As per customer order.
- ✓ Single core, Single layer.

**Automotive Cables Anti-capillary**

ISO 9001	ISO 14001	IATF 16949	AS 9100	ISO 45001	IRIS <sup>TM</sup> Certification

#### Technical Data

- ✓ Temperature Range :  
- 40°C to +150°C (ISO 6722-1)
- ✓ Voltage : 60 V DC
- ✓ Thermal Life, Heat Shock, Shrinkage, Ozone Resistance, Volume Resistivity etc as per ISO 6722-1.
- ✓ Hot oil (ASTM1) : No breakdown at 1kV
- ✓ Battery Acid Resistance : <1% swell
- ✓ Auto Transmission Fluid (Dexon III) :  
No breakdown at 1kV
- ✓ Hydrolysis : Pass (35 days, 85°C, 48V)
- ✓ Salt spray test as per ASTM B 117-73 :  
Satisfactory
- ✓ Specifications : ISO 6722-1
- ✓ Meets customer specific pressure test against water and different fluids, solvents, oil etc.

Part Number	Conductor Construction				Insulation Wall Thickness Nom.	Cable				Current Carrying Capacity	Max. Conductor Resistance at 20°C
	Nominal Cross-Section	No. of Strands	Diameter of Single wire max.	Conductor Diameter Max.		Overall Diameter			Weight Approx.		
						Min.	Nom.	Max.			
	mm <sup>2</sup>	nos.	mm	mm	mm	mm	mm	mm	kg/km	Amps	Ω/km
A638A05XX*	0.35	7	0.27	0.90	0.35	1.20	1.30	1.40	5	13	54.4
A638A06XX	0.5	19	0.19	1.10	0.35	1.40	1.50	1.60	7	16	37.1
A638A08XX	0.75	19	0.24	1.30	0.35	1.70	1.80	1.90	9	21	24.7
A638A10XX	1	19	0.27	1.50	0.35	1.90	2.00	2.10	11	25	18.5
A638A12XX	1.25	19	0.30	1.70	0.35	2.10	2.20	2.30	15	30	14.9
A638A13XX	1.5	19	0.33	1.80	0.35	2.20	2.30	2.40	17	33	12.7
A638A14XX	2	19	0.38	2.00	0.35	2.50	2.65	2.80	22	40	9.42
A638A16XX	2.5	19	0.41	2.20	0.35	2.70	2.90	3.00	27	46	7.60
A638A19XX	4	19	0.55	2.80	0.40	3.40	3.50	3.70	43	62	4.71
A638A23XX	6	19	0.67	3.40	0.40	4.00	4.20	4.30	62	81	3.10

Note : XX\* : Please add last two digits in the part number as per the colour code given hereunder replacing XX while ordering.

Red - 01	Yellow - 02	Blue - 03	Black - 04	Green - 05	Yellow-Green - 06	Grey - 07	Brown - 08	White - 09	Orange - 10	Violet - 11
Chocolate - 12	Tan - 13	Charcoal - 14	LT Blue - 15	DK Grey - 16	LT Green - 17	DK Green - 18	DK Blue - 19	Purple - 20	Pink - 21	

- ✓ Current Carrying capacity given is for the maximum conductor operating of 150° C and ambient air temperature of 40°C.
- ✓ \* Other length as per Customer order.



Siechem Wires & Cables Meet EU RoHS Directive

www.siechem.com