



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.

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.



ISO 9001	ISO 14001	IATF 16949	AS 9100	ISO 45001	IRIS Certification

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 ²	nos.	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

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