



Application

- ✓ Low-tension electric wire for automobiles.
- ✓ Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.

Product Construction

- ✓ Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to IS 8130, bare conductor construction according to IS 2465
- ✓ Insulation : Lead free PVC.
- ✓ Colour : As per customer order.
- ✓ Single core

Technical Data

- ✓ Temperature Range : - 40°C to +70°C (3000 Hours)
- ✓ Standard : IS 2465
- ✓ Test Voltage : 3 kV
- ✓ Conductor Resistance: IS 8130

Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, petrol and diesel.
- ✓ Flexible conductor with PVC normal insulation thickness for battery cables.
- ✓ Extra flexibility.

Automotive Cables IS 2465

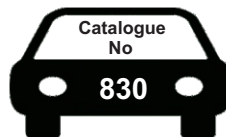
ISO 9001	ISO 14001	IATF 16949	OHSAS 18001	AS 9100	ISO 45001

Part Number	Conductor Construction				Insulation Wall Thickness Nom .	Cable		Max. Conductor Resistance at 20°C	Current Carrying Capacity	Standard Length*
	Nominal Cross-Section	No. of Strands	Diameter of Single wire max.	Conductor Diameter Approx.		Overall Diameter Max.	Weight Approx.			
	mm ²	nos.	mm	mm	mm	mm	kg/km	Ω/km	Amps	mtrs
83028XX*	16	126	0.41	5.7	1.0	8.1	171	1.21	90	500
83030XX	25	196	0.41	7.1	1.2	10.0	263	0.780	118	500
83032XX	35	276	0.41	8.5	1.2	11.4	357	0.554	146	500
83034XX	50	396	0.41	10.3	1.4	13.7	506	0.386	185	500
83037XX	70	360	0.51	12.4	1.4	15.8	703	0.272	237	500
83038XX	95	475	0.51	14.5	1.6	18.4	925	0.206	291	500
83041XX	120	608	0.51	16.0	1.6	19.9	1161	0.161	342	500
83042XX	150	756	0.51	18.0	1.8	22.4	1442	0.129	402	500

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	

- ✓ *Other length as per Customer order.
- ✓ Current Carrying capacity given is for the maximum conductor operating temperature of 70°C and ambient air temperature of 40°C.



Siechem Wires & Cables Meet EU RoHS Directive

Lead Free	Hg Free	Cd Free	Cr ⁶⁺ Free	PBB Free	PBDE Free
-----------	---------	---------	-----------------------	----------	-----------

www.siechem.com



Application

- ✓ Low-tension electric wire for Automobiles.
- ✓ Used in Motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.

Product Construction

- ✓ Conductor : Soft-annealed electrolytic Copper Cu - ETP1 according to DIN 13602, bare conductor
- ✓ Insulation : FEP (Fluorinated ethylene Propylene) With properties According to ISO 6722 -1 Class F.
- ✓ Colour : As per customer order.
- ✓ Single core

Technical Data

- ✓ Temperature Range : - 65°C to +210°C (3000 Hours)
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm² 5kV (r.m.s.) for cables ≥ 0.5 mm²
- ✓ Standard : LV 112-1 BMW GS 95007-1

Features

- ✓ Good mechanical and thermal properties
- ✓ Excellent chemical resistance
- ✓ Very good oil -and Fuel resistance

Automotive Cables FLR6Y-B

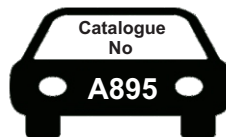
ISO 9001	ISO 14001	IATF 16949	OHSAS 18001	AS 9100	ISO 45001

Part Number	Conductor Construction				Insulation Wall Thickness Min.	Cable		Current Carrying Capacity	Max. Conductor Resistance at 20°C	Standard Length*
	Nominal Cross-Section	No. of Strands	Diameter of Single wire max.	Conductor Diameter Nom.		Overall Diameter Max.	Weight Approx.			
	mm ²	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km	mtrs
A89505XX*	0.35	12	0.21	0.90	0.20	1.4	5	15	52.0	500
A89506XX	0.5	16	0.21	1.00	0.22	1.6	7	19	37.1	500
A89508XX	0.75	24	0.21	1.20	0.24	1.9	10	25	24.7	500
A89510XX	1	32	0.21	1.35	0.24	2.1	12	30	18.5	500
A89513XX	1.5	30	0.26	1.70	0.24	2.4	18	38	12.7	500
A89516XX	2.5	50	0.26	2.20	0.28	3.0	30	54	7.6	500
A89519XX	4	56	0.31	2.75	0.32	3.7	43	73	4.7	500
A89523XX	6	84	0.31	3.3	0.32	4.3	62	95	3.14	500

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 temperature of 210°C and ambient air temperature of 40°C.
- ✓ * Other length as per Customer order.



Siechem Wires & Cables Meet EU RoHS Directive

Lead Free	Hg Free	Cd Free	Cr ⁶⁺ Free	PBB Free	PBDE Free
-----------	---------	---------	-----------------------	----------	-----------

www.siechem.com



Application

- ✓ Low-tension electric wire for automobiles.
- ✓ Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.

Product Construction

- ✓ Conductor : Soft-annealed electrolytic Copper E-Cu ETP1 according to DIN 13602, bare conductor
- ✓ Insulation : PP-FR (Polypropylene FR) Low halogen
- ✓ Colour : As per customer order.
- ✓ Single core

Technical Data

- ✓ Temperature Range : - 40°C to +125°C (3000 Hours)
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm² 5kV (r.m.s.) for cables ≥ 0.5 mm²
- ✓ Standed : Ford ES-AU5T- 1A348
FIAT 91107/17
Renault 36-05-009-N.
VW 60306-1

Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, petrol and diesel.
- ✓ Flexible conductors with PP Thin wall insulation with increased mechanical strength.
- ✓ Extra flexibility.

Automotive Cables Auto 125 P

ISO 9001	ISO 14001	IATF 16949	OHSAS 18001	AS 9100	ISO 45001

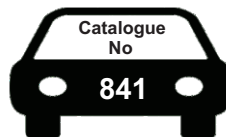
Part Number	Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max. Conductor Resistance at 20°C	Standard Length*
	Nominal Cross-Section	No. of Strands	Diameter of Single wire max.	Conductor Diameter Nom.		Overall Diameter Max.	Weight Approx.			
	mm ²	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km	mtrs
84105XX*	0.35	7	0.26	0.8	0.20	1.3	5	11	54.4	500
84106XX	0.5	19	0.19	1.0	0.22	1.6	7	15	37.1	500
84108XX	0.75	24	0.21	1.2	0.24	1.9	9	19	24.7	500
84110XX	1	32	0.21	1.35	0.24	2.1	13	23	18.5	500
84113XX	1.5	30	0.26	1.7	0.24	2.4	17	30	12.7	500
84114XX	2	28	0.31	2.0	0.28	2.8	22	37	9.42	500
84116XX	2.5	50	0.26	2.2	0.28	3.0	27	42	7.6	500
84117XX	3	45	0.31	2.4	0.32	3.4	34	48	6.15	500
84119XX	4	56	0.31	2.75	0.32	3.7	43	57	4.71	500
84123XX	6	84	0.31	3.3	0.32	4.3	63	74	3.14	500
84127XX	10	80	0.41	4.5	0.48	5.8	112	116	1.82	500
84128XX	16	126	0.41	5.5	0.52	7.0	172	146	1.16	500

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 125° C and ambient air temperature of 40°C.

✓ * Other length as per Customer order.



Siechem Wires & Cables Meet EU RoHS Directive

Lead Free	Hg Free	Cd Free	Cr ⁶⁺ Free	PBB Free	PBDE Free
-----------	---------	---------	-----------------------	----------	-----------

www.siechem.com



Application

- ✓ Low-tension electric wire for Automobiles.
- ✓ Used in Motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.

Product Construction

- ✓ Conductor : Soft-annealed electrolytic Copper E-Cu ETP1 according to DIN 13602, bare conductor
- ✓ Insulation : PE-X with properties according to ISO 6722, Class C
- ✓ Colour : As per customer order.
- ✓ Single core

Technical Data

- ✓ Temperature Range : - 40°C to +125°C (3000 Hours)
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm² 5kV (r.m.s.) for cables ≥ 0.5 mm²
- ✓ Standard : ISO 6722, Class C
- ✓ FL : Automotive Cable
- ✓ R : Reduced wall Thickness
- ✓ 2X : Cross Linked PE
- ✓ A : Symmetrical

Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, Petrol and diesel.

Automotive Cables Auto 125X-A / FLR2X-A

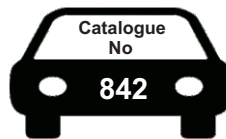
ISO 9001	ISO 14001	IATF 16949	OHSAS 18001	AS 9100	ISO 45001

Part Number	Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max. Conductor Resistance at 20°C	Standard Length*
	Nominal Cross-Section	No. of Strands	Diameter of Single wire max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.			
	mm ²	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km	mtrs
84202XX*	0.22	7	0.21	0.70	0.25	1.2	3	9	84.8	500
84205XX	0.35	7	0.27	0.90	0.25	1.3	5	11	54.4	500
84206XX	0.5	7	0.19	1.10	0.28	1.6	7	15	37.1	500
84208XX	0.75	19	0.24	1.30	0.30	1.9	9	20	24.7	500
84210XX	1	19	0.27	1.50	0.30	2.1	12	24	18.5	500
84213XX	1.5	19	0.33	1.80	0.30	2.4	17	30	12.7	500
84214XX	2	19	0.38	2.00	0.35	2.8	23	37	9.42	500
84216XX	2.5	37	0.28	2.20	0.35	3.0	27	42	7.60	500

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 125° C and ambient air temperature of 40°C.
- ✓ * Other length as per Customer order.



Siechem Wires & Cables Meet EU RoHS Directive

Lead Free	Hg Free	Cd Free	Cr ⁶⁺ Free	PBB Free	PBDE Free
-----------	---------	---------	-----------------------	----------	-----------

www.siechem.com



Application

- ✓ Low-tension electric wire for automobiles.
- ✓ Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.

Product Construction

- ✓ Conductor : Soft-annealed electrolytic Copper E-Cu ETP1 according to DIN 13602, bare conductor
- ✓ Insulation : PE-X
- ✓ Colour : As per customer order.
- ✓ Single core

Technical Data

- ✓ Temperature Range : - 40°C to +125°C (3000 Hours)
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm²
5kV (r.m.s.) for cables ≥ 0.5 mm²
- ✓ Standard : ISO 6722, Class C

Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, petrol and diesel.
- ✓ Extra flexibility.

Automotive Cables Auto 125X-B

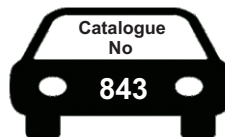
ISO 9001	ISO 14001	IATF 16949	OHSAS 18001	AS 9100	ISO 45001

Part Number	Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max. Conductor Resistance at 20°C	Standard Length*
	Nominal Cross-Section	No. of Strands	Diameter of Single wire max.	Conductor Diameter Nom.		Overall Diameter Max.	Weight Approx.			
	mm ²	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km	mtrs
84305XX*	0.35	12	0.21	0.90	0.20	1.4	5	12	54.4	500
84306XX	0.5	16	0.21	1.00	0.22	1.6	6	15	37.1	500
84308XX	0.75	24	0.21	1.20	0.24	1.9	9	20	24.7	500
84310XX	1	32	0.21	1.35	0.24	2.1	12	24	18.5	500
84313XX	1.5	30	0.26	1.70	0.24	2.4	17	30	12.7	500
84314XX	2	30	0.31	2.00	0.28	2.8	23	37	9.42	500
84316XX	2.5	50	0.26	2.20	0.28	3.0	26	42	7.6	500
84317XX	3	45	0.31	2.40	0.28	3.4	33	49	6.15	500
84319XX	4	56	0.31	2.75	0.32	3.7	41	58	4.71	500
84323XX	6	84	0.31	3.30	0.32	4.3	62	75	3.14	500

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 125° C and ambient air temperature of 40°C.
- ✓ * Other length as per Customer order.



Siechem Wires & Cables Meet EU RoHS Directive

Lead Free	Hg Free	Cd Free	Cr ⁶⁺ Free	PBB Free	PBDE Free
-----------	---------	---------	-----------------------	----------	-----------

www.siechem.com



Application

- ✓ Low-tension electric wire for Automobiles.
- ✓ Used in Motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.

Product Construction

- ✓ Conductor : Soft-annealed electrolytic Copper E-Cu ETP1 according to DIN 13602, bare conductor
- ✓ Insulation : TPE-E
- ✓ Colour : As per customer order.
- ✓ Single core

Technical Data

- ✓ Temperature Range : - 40°C to +150°C (3000 Hours)
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm²
5kV (r.m.s.) for cables ≥ 0.5 mm²
- ✓ Standard : ISO 6722 , Class D

Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, Petrol and diesel.
- ✓ Extra flexibility.

Automotive Cables Auto 150A-A

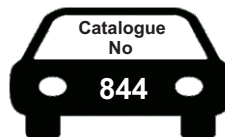
ISO 9001	ISO 14001	IATF 16949	OHSAS 18001	AS 9100	ISO 45001

Part Number	Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max. Conductor Resistance at 20°C	Standard Length*
	Nominal Cross-Section	No. of Strands	Diameter of Single wire max.	Conductor Diameter Nom.		Overall Diameter Max.	Weight Approx.			
	mm ²	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km	mtrs
84405XX*	0.35	7	0.26	0.80	0.35	1.3	5	12	52.0	500
84406XX	0.5	19	0.19	1.10	0.35	1.6	6	16	37.1	500
84408XX	0.75	19	0.23	1.20	0.35	1.9	9	22	24.1	500
84410XX	1	19	0.26	1.35	0.35	2.1	11	26	18.5	500
84413XX	1.5	19	0.32	1.70	0.35	2.4	17	33	12.7	500
84414XX	2	19	0.37	2.00	0.35	2.8	21	41	9.42	500
84416XX	2.5	19	0.41	2.20	0.35	3.0	26	47	7.6	500

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 temperature of 150°C and ambient temperature of 40°C.
- ✓ * Other length as per Customer order.



Siechem Wires & Cables Meet EU RoHS Directive

Lead Free	Hg Free	Cd Free	Cr ⁶⁺ Free	PBB Free	PBDE Free
-----------	---------	---------	-----------------------	----------	-----------

www.siechem.com



Application

- ✓ Low-tension electric wire for Automobiles.
- ✓ Used in Motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.

Product Construction

- ✓ Conductor : Soft-annealed electrolytic Copper E-Cu ETP1 according to DIN 13602, bare conductor
- ✓ Insulation : TPE-E
- ✓ Colour : As per customer order.
- ✓ Single core

Technical Data

- ✓ Temperature Range : -40°C to + 150°C (3000 Hours)
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm²
5kV (r.m.s.) for cables ≥ 0.5 mm²
- ✓ Standard : ISO 6722, Class D

Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, Petrol and diesel.
- ✓ Resistance To hydrolysis
- ✓ Resistance to battery cable
- ✓ Extra flexibility.

Automotive Cables **Auto 150A-B**

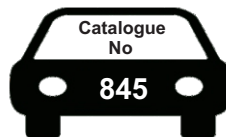
ISO 9001	ISO 14001	IATF 16949	OHSAS 18001	AS 9100	ISO 45001

Part Number	Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max. Conductor Resistance at 20°C	Standard Length*
	Nominal Cross-Section	No. of Strands	Diameter of Single wire max.	Conductor Diameter Nom.		Overall Diameter Max.	Weight Approx.			
	mm ²	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km	mtrs
84505XX*	0.35	12	0.21	0.9	0.35	1.6	5	13	52.0	500
84506XX	0.5	16	0.21	1	0.35	1.9	6	16	37.1	500
84508XX	0.75	24	0.21	1.2	0.35	2.1	9	22	24.7	500
84510XX	1	32	0.21	1.35	0.35	2.4	12	26	18.5	500
84513XX	1.5	30	0.26	1.7	0.35	2.9	16	33	12.7	500
84514XX	2	30	0.31	2	0.35	2.8	23	41	9.42	500
84516XX	2.5	50	0.26	2.2	0.35	3.0	26	47	7.6	500
84519XX	4	56	0.31	2.8	0.35	3.7	41	64	4.7	500
84523XX	6	84	0.31	3.4	0.35	4.3	60	83	3.1	500

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 temperature of 150°C and ambient air temperature of 40°C.
- ✓ * Other length as per Customer order.



Siechem Wires & Cables Meet EU RoHS Directive

Lead Free	Hg Free	Cd Free	Cr ⁶⁺ Free	PBB Free	PBDE Free
-----------	---------	---------	-----------------------	----------	-----------

www.siechem.com



Application

- ✓ Low-tension electric wire for automobiles.
- ✓ Used in Motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.

Product Construction

- ✓ Conductor : Soft-annealed electrolytic bare Copper according to ISO 6722
- ✓ Cable construction according to ISO 6722 Class C(thick wall)
- ✓ Insulation :Electron Beam Crossed linked Polyolefin Class C
- ✓ Colour : As per customer order.
- ✓ Single core, Single layer insulation

Technical Data

- ✓ Temperature Range : -40°C to + 125°C (3000 Hours)
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm² 5kV (r.m.s.) for cables ≥ 0.5 mm²
- ✓ Specification : ISO 6722

Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, Petrol and diesel.
- ✓ Heat resistance
- ✓ Halogen free

Automotive Cables Auto 125

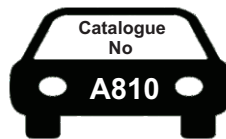
ISO 9001	ISO 14001	IATF 16949	OHSAS 18001	AS 9100	ISO 45001

Part Number	Conductor Construction				Insulation Wall Thickness Nom.	Cable		Max. Conductor Resistance at 20°C	Current Carrying Capacity	Standard Length*
	Nominal Cross-Section	No. of Strands	Diameter of Single wire max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.			
	mm ²	nos.	mm	mm	mm	mm	kg/km	Ω/km	Amps	mtrs
A81006XX*	0.5	19	0.19	1.1	0.6	2.3	10	37.1	17	500
A81008XX	0.75	19	0.24	1.3	0.6	2.5	13	24.7	21	500
A81010XX	1	19	0.27	1.5	0.6	2.7	15	18.5	25	500
A81013XX	1.5	19	0.33	1.8	0.6	3	20	12.7	32	500
A81014XX	2	19	0.38	2.0	0.6	3.3	25	9.42	38	500
A81016XX	2.5	37	0.29	2.2	0.7	3.6	31	7.60	44	500
A81017XX	3	37	0.34	2.4	0.7	4.1	41	6.15	50	500
A81038XX	4	37	0.38	2.8	0.8	4.4	51	4.71	60	500
A81021XX	5	37	0.43	3.1	0.8	4.9	63	3.94	67	500
A81023XX	6	37	0.45	3.4	0.8	5	68	3.14	77	500
A81027XX	10	63	0.46	4.5	1	6.5	115	1.82	109	500
A81028XX	16	105	0.46	6.3	1	8.3	186	1.16	147	500
A81030XX	25	154	0.46	7.8	1.3	10.4	279	0.743	193	500
A81032XX	35	551	0.30	9.0	1.3	11.6	395	0.527	236	500
A81034XX	50	798	0.30	10.5	1.5	13.5	564	0.368	291	500
A81037XX	70	1140	0.30	12.5	1.5	15.5	788	0.259	359	500
A81038XX	95	836	0.40	14.8	1.6	18	1037	0.196	428	500
A81041XX	120	1064	0.40	16.5	1.6	19.7	1287	0.153	509	500

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 temperature of 125°C and ambient air temperature of 40°C.
- ✓ * Other length as per Customer order.



Siechem Wires & Cables Meet EU RoHS Directive

Lead Free	Hg Free	Cd Free	Cr ⁶⁺ Free	PBB Free	PBDE Free
-----------	---------	---------	-----------------------	----------	-----------

www.siechem.com



Application

- ✓ Low-tension electric wire for automobiles.
- ✓ Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.
- ✓ Especially used for circuits requiring heat resistance.

Product Construction

- ✓ Conductor : Soft / annealed Plain Copper according to ISO 6722 (Symmetrical)
- ✓ Insulation : Electron beam cross linked Polyolefin Class C
- ✓ Colour : As per customer order
- ✓ Cable construction according to ISO 6722, Class C (Thin wall)
- ✓ Single core, Single layer insulation

Technical Data

- ✓ Temperature Range: -40°C to +125°C (3000 Hours)
- ✓ Standard : ISO 6722 Class C (Thin wall)
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm²
5kV (r.m.s.) for cables ≥ 0.5 mm²

Features

- ✓ Excellent Flame retardant
- ✓ Highly resistant against acids, alkali, petrol and diesel
- ✓ Extra flexible conductors with Electron beam cross linked polyolefin thin wall insulation for smaller diameter and lesser weight
- ✓ Excellent flexibility
- ✓ Heat resistant
- ✓ Halogen free



ISO 9001	ISO 14001	IATF 16949	OHSAS 18001	AS 9100	ISO 45001

Part Number	Conductor Construction				Insulation Wall Thickness Nom.	Cable		Max. Conductor Resistance at 20°C	Current Carrying capacity	Standard Length*
	Nominal Cross-Section	No. of Strands	Diameter of Single wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.			
	mm ²	nos.	mm	mm	mm	mm	kg/km	Ω/km	Amps	mtrs
A81105XX*	0.35	7	0.27	0.90	0.25	1.40	5	54.4	12	2000
A81106XX	0.50	19	0.19	1.10	0.28	1.60	6	37.1	15	2000
A81108XX	0.75	19	0.24	1.30	0.30	1.90	9	24.7	20	2000
A81110XX	1	19	0.27	1.50	0.30	2.10	11	18.5	24	2000
A81113XX	1.5	19	0.33	1.80	0.30	2.40	17	12.7	30	2000
A81114XX	2	19	0.38	2.00	0.35	2.80	23	9.42	37	2000
A81116XX	2.5	37	0.28	2.20	0.35	3.00	26	7.60	42	2000
A81117XX	3	37	0.34	2.40	0.40	3.40	34	6.15	49	1000
A81119XX	4	37	0.38	2.80	0.40	3.70	42	4.71	58	1000
A81121XX	5	37	0.43	3.10	0.40	4.20	53	3.94	66	1000
A81123XX	6	37	0.45	3.40	0.40	4.30	60	3.14	75	1000
A81127XX	10	63	0.46	4.50	0.60	6.00	106	1.82	108	1000
A81128XX	16	105	0.46	6.30	0.65	7.90	177	1.16	147	1000
A81130XX	25	154	0.46	7.80	0.65	9.40	249	0.743	193	1000

Cables conforming to the below categories are also available according to customer requirement

Conductor Configuration : Symmetrical, Asymmetrical, Flexible

Insulation thickness : Standard, Thin wall & Ultra thin wall

ISO 6722 Temperature Class Rating :

Class	A	B	C	D	E	F	G	H
Temperature from -40°C to	+85°C	+100°C	+125°C	+150°C	+175°C	+200°C	+225°C	+250°C

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 125° C and ambient air temperature of 40°C.
- ✓ Cables are also available in dual colored insulation
- ✓ * Other length as per Customer order.



Siechem Wires & Cables Meet EU RoHS Directive

Lead Free	Hg Free	Cd Free	Cr ⁶⁺ Free	PBB Free	PBDE Free
-----------	---------	---------	-----------------------	----------	-----------

www.siechem.com



Application

- ✓ Low-tension electric wire for Automobiles.
- ✓ Used in Motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.

Product Construction

- ✓ Conductor : Soft / annealed Plain Copper according to ISO 6722 (Symmetrical)
- ✓ Insulation : Electron Beam Crossed Linked Polyolefin Class C
- ✓ Colour : As per customer order
- ✓ Cable construction according to ISO 6722, Class C (Ultra Thin wall)
- ✓ Single core, Single layer insulation

Technical Data

- ✓ Temperature Range : -40°C to + 125°C (3000 Hours)
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm² 5kV (r.m.s.) for cables ≥ 0.5 mm²
- ✓ UTW - Ultra Thin wall
- ✓ Specification : ISO 6722

Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, Petrol and diesel.
- ✓ Flexible conductors with Electron Beam cross linked polyolefin thin wall insulation with increased mechanical strength.
- ✓ Extra flexibility.
- ✓ Heat resistance
- ✓ Halogen free



ISO 9001	ISO 14001	IATF 16949	OHSAS 18001	AS 9100	ISO 45001

Part Number	Conductor Construction				Insulation Wall Thickness Nom.	Cable		Max. Conductor Resistance at 20°C	Current Carrying Capacity	Standard Length*
	Nominal Cross-Section	No. of Strands	Diameter of Single wire max.	Conductor Diameter Nom.		Overall Diameter Max.	Weight Approx.			
	mm ²	nos.	mm	mm	mm	mm	kg/km	Ω/km	Amps	mtrs
A81206XX*	0.5	19	0.19	1.1	0.2	1.4	6	37.1	14	500
A81208XX	0.75	19	0.24	1.3	0.2	1.6	8	24.7	18	500
A81210XX	1	19	0.27	1.5	0.2	1.75	10	18.5	22	500
A81213XX	1.5	19	0.33	1.8	0.2	2.1	15	12.7	29	500
A81214XX	2	19	0.38	2	0.25	2.4	20	9.42	35	500
A81216XX	2.5	37	0.29	2.2	0.25	2.8	25	7.60	41	500

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 temperature of 125°C and ambient air temperature of 40°C.
- ✓ * Other length as per Customer order.



Siechem Wires & Cables Meet EU RoHS Directive

Lead Free	Hg Free	Cd Free	Cr ⁶⁺ Free	PBB Free	PBDE Free
-----------	---------	---------	-----------------------	----------	-----------

www.siechem.com

Single & Multicore, Battery, Screened & Hybrid Automotive Cables

Siechem have most modern, state of the art, high speed, fully PLC controlled with as much automation as possible to produce large volumes with quality consistency. Company's in-house Electron beam irradiation facility, R&D Centre, Compounding and fully equipped laboratory can stand comparison with the best in the world. Proudly the Company offers automotive & battery cables that meet RoHS EU Directive & meet customers' quality expectations. The following are the types of cables in regular manufacturing. However for other type of cables/specification, the same can be developed upon specific enquiry.

S. No.	Type	Size Sq.mm	Max. Conductor Operating Temp. °C	Insulation Material	Application & Features	Specification
1	AV	0.5 to 100	80	Vinyl	Used in starting, charging, lighting and signal in instrument panel circuits	JIS C 3406
2	AV (f - type)	0.5 to 3	80	Vinyl	Used in starting, charging, lighting and signal in instrument panel circuits	JIS C 3406
3	AVS	0.3 to 15	80	Vinyl	Thinner than AV wires, lighter weight, with equivalent performance	JASO D 611
4	AVS (f - type)	0.5 to 2	80	Vinyl	Thinner than AV wires, lighter weight, with equivalent performance	JASO D 611
5	AVSS	0.3 to 2	80	Vinyl	Thinner than AVS, lighter weight and small diameter type for wiring harness, with equivalent performance,	JASO D 611
6	AVSS (f - type)	0.3 to 2	80	Vinyl	Thinner than AVS, lighter weight and small diameter type for wiring harness, with equivalent performance	JASO D 611
7	AVSSH	0.3 to 2	100	Vinyl	Heat resistant and equivalent to those of AVX and AVSSX	JASO D 611
8	AVSSH (f - type)	0.3 to 2	100	Vinyl	Heat resistant and equivalent to those of AVX and AVSSX	JASO D 611
9	AVSSX	0.5 to 2	100	XL - Vinyl	Thinner than AVX with equivalent performance. Provides higher reliability in heat resistance than conventional AVSS wires due to cross-linked insulation	JASO D 608
10	AVSSX (f - type)	0.5 to 2	100	XL - Vinyl	Thinner than AVX with equivalent performance. Provides higher reliability in heat resistance than conventional AVSS wires due to Electron Beam Cross-linked insulation	JASO D 608
11	AVX	0.5 to 8	105	XL - PVC	Higher reliability in heat resistance than conventional AV wires due to EBXL & emission bridging	JASO D 608
12	AVX (f - type)	0.5 to 1.25	105	XL - PVC	Higher reliability in heat resistance than conventional AV wires due to EBXL & emission bridging	JASO D 608
13	AEX	0.5 to 8	120	XLPO	Higher reliability in heat resistance than conventional AV wires due to EBXL & emission bridging	JASO D 608
14	AEX (f - type)	0.5	120	XLPO	Higher reliability in heat resistance than conventional AV wires due to EBXL & emission bridging	JASO D 608
15	AESSX	0.3 to 2	120	XLPO	Thinner than AEX with equivalent performance. Provides higher reliability in heat resistance than conventional AVSS wires due to Electron Beam Cross-linked insulation	JASO D 608
16	AESSX (f - type)	0.3 to 2	120	XLPO	Thinner than AEX with equivalent performance. Provides higher reliability in heat resistance than conventional AVSS wires due to Electron Beam Cross-linked insulation	JASO D 608
17	FLRY - A	0.22 to 50	105	PVC	With concentric conductor and thin wall insulation	DIN 72551 - 6
18	FLRY - B	0.35 to 50	105	PVC	With flexible conductor and thin wall insulation	DIN 72551 - 6
19	STT	13 to 103	80	PVC	Starter or battery ground cable	SAE J 1127
20	SGT	13 to 103	105	PVC	Starter or battery ground cable	SAE J 1127
21	STX	13 to 103	125	XLPO	Starters or battery grounds where resistance to abrasion, heat and aging is needed - EBXL	SAE J 1127
22	SGX	13 to 103	125	XLPO	Starters or battery grounds where resistance to abrasion, heat and aging is needed - EBXL	SAE J 1127
23	TXL	0.22 to 8	120	XLPO	Electron Beam Cross linked Polyolefin thin wall insulation	SAE J 1128
24	GXL	0.5 to 8	120	XLPO	Electron Beam Cross linked Polyolefin insulation for General purpose application	SAE J 1128
25	SXL	0.5 to 8	120	XLPO	Electron Beam Cross linked Polyolefin insulation for Special purpose application (high wall thickness)	SAE J 1128
26	Low Voltage Auto Cables	0.5 to 4.5	70	PVC	Flexible conductor with Type A insulation	IS 2465
27	Heavy Duty Battery Cables	16 to 95	70	PVC	Flexible conductor with normal insulation thickness for battery cables and higher insulation thickness for Ignition cables	IS 2465
28	Ford - Type A2	0.5 to 120	100	PVC	Low tension stranded thick wall insulated cable	FORD WSK - 1A348 - A2
29	Ford - Type A3	0.13 to 50	125	XLPO	Low tension stranded thin wall insulated cable	FORD WSK - 1A348 - A3
30	Ford - Type A4	0.13 to 2.5	150	XLPO	Low tension stranded ultra thin wall insulated cable	FORD WSK - 1A348 - A4
31	EB	5 to 60	80	PVC	Thin Flexible type Grounding conductor	STPL - EB
32	HDEB	9 to 60	80	PVC	Thicker than EB type Grounding conductor with increased mechanical strength (Heavy duty)	STPL - HDEB
33	Hybrid Cables				Any combination as per Customer Specification	

Siechem do have the following special wires and cables for 150°C continuous operating temperature, manufactured with the help of in-house electron beam cross linking for Motor lead wires for coil connections, class F motors and transformers, pumps, solenoids, Internal wiring of appliances, sensor wires, flexible battery cables, wires, multi - core cables in engine compartments for automotive applications and other mobile vehicles.

Specifications : Chrysler MS 9502A, Chrysler MS 9502C, SAE J-1127, SGX and STX, ISO 6722 Class D, LV 112, MIL 16878/16, UL 3288, 3289, 3321, 3398, 3456, 3470, 3505, 3575, CSA CL 1503, CSA AWM CL 1251, CSA AWM I A/B.

ABBREVIATIONS	
● A Low - Voltage wires	● EB Grounding Bond
● FL Automotive cable, low voltage	● HD Heavy Duty
● R Reduced insulation wall thickness	● GXL General Purpose XLPO type
● S Thin type	● SXL Special Purpose XLPO type
● SS Super Thin type	● TXL Thin wall XLPO type
● V Vinyl	● f Extra Flexible Conductor
● X/XL/EBXL Electron Beam Crosslinked	
● Y PVC	
● XLPO Cross linked Polyolefin	
● Type A Concentric conductor	
● Type B Flexible conductor	

Siechem Technologies Pvt. Ltd.

HEAD OFFICE

26/27, Errabalu Chetty Street,
Chennai - 600 001. India.

Tel : +91 44 2522 6141 / 2522 0859

Fax : +91 44 2522 2871

Email : sales@siechem.com

Web : www.siechem.com

Approvals & Licenses											
ISO 9001	ISO 14001	IAFT 16949	OHSAS 18001	AS 9001	ISO 45001	UL	C	UL	UL	TUV	ROSO
BSI	BSI	ESMA	ISO India Entry	CE	REACH	RoHS	UL	UL	UL	UL	UL

FACTORY

RS 104/8 & 105/7, Sedarapet Main Road,
Pondicherry - 605 101. India.

Tel : +91 413 2671 070 / 2671 071

Fax : +91 413 2671 072

Email : admn@siechem.com

Web : www.siechem.com