



Application

- ✓ Wire harness of low-tension electric circuits 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 ASTM B3, bare conductor construction according to SAE J 1128
- ✓ Insulation : Lead free PVC.
- ✓ Colour : As per customer order.
- ✓ Single core

Technical Data

- ✓ Temperature Range :
- 40°C to + 85°C (3000 Hours)
- ✓ Test Voltage : 1 kV
- ✓ TW : Thin wall
- ✓ P : Thermoplastic insulation.
- ✓ Standard : SAE J1128 : 2015

Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, petrol and diesel.
- ✓ Flexible conductor with PVC thin wall insulation for smaller diameter lesser weight.
- ✓ Extra flexibility.
- ✓ Light weight
- ✓ Excellent resistance to oil and flame.

**Automotive
Cables**

TWP

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

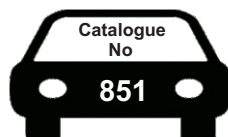
Part Number	Conductor Construction				Insulation Wall Thickness		Cable		Max. Conductor Resistance at 20°C	Current Carrying Capacity	Standard Length*
	Nominal Cross-Section	No. of Strands	Diameter of Single wire max.	Conductor Diameter Nom.	Min	Nom.	Overall Diameter Max.	Weight Approx.			
	mm ²	nos.	mm	mm	mm	mm	mm	kg/km	Ω/km	Amps	mtrs
85102XX *	0.22	7	0.21	0.63	0.28	0.40	1.5	5	84.4	7	500
85105XX	0.35	7	0.26	0.78	0.28	0.40	1.7	7	52.0	10	500
85106XX	0.5	7	0.31	0.93	0.28	0.40	1.9	9	35.7	12	500
85160XX	0.8	16	0.26	1.21	0.28	0.40	2.2	11	22.7	16	500
85110XX	1	19	0.29	1.45	0.28	0.40	2.4	17	15.4	21	500
85114XX	2	19	0.36	1.80	0.28	0.40	2.7	27	9.3	28	500
85117XX	3	19	0.45	2.25	0.32	0.46	3.3	43	5.9	38	500
85121XX	5	19	0.57	2.85	0.35	0.50	4.0	62	3.7	51	500
85125XX	8	19	0.45	3.55	0.38	0.55	4.9	108	2.4	69	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 85°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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