



**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.
- ✓ Especially used for circuits requiring heat resistance.

**Product Construction**

- ✓ Conductor : Soft-annealed electrolytic copper E- Cu ETP1 according to ASTM B3 bare conductor construction according to SAE J 1127
- ✓ Insulation : Electron beam cross linked polyolefin.
- ✓ Colour : As per customer order.
- ✓ Single core

**Technical Data**

- ✓ Temperature Range : - 40°C to +125°C (3000 Hours)
- ✓ Standard : SAE J1127
- ✓ Test Voltage : 1 kV
- ✓ S : Starter or Ground
- ✓ G : General purpose
- ✓ X : Cross linked polyolefin

**Features**

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, petrol and diesel.
- ✓ Flexible conductors with Electron beam cross linked polyolefin general purpose insulation for smaller diameter and lesser weight.
- ✓ Extra flexibility.
- ✓ Heat resistant.

Automotive Cables **SGX**

**2D View**



Approvals	Accreditations	Certifications

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.			
	AWG	nos.	mm	mm	mm	mm	kg/km	Ω/km	Amps	mtrs
82375XX*	6	133	0.36	4.83	1.52	8.60	166	1.40	124	500
82374XX	4	133	0.46	6.09	1.65	10.5	257	0.94	160	500
82373XX	2	133	0.57	7.67	1.65	12.0	373	0.56	218	500
82372XX	1	259	0.46	8.49	1.65	13.0	453	0.42	255	500
82390XX	1/0	1026	0.26	9.47	1.65	14.5	545	0.36	281	500
82391XX	2/0	1254	0.26	10.47	1.65	16.0	653	0.27	325	500
82392XX	3/0	1615	0.26	11.89	1.98	18.5	847	0.21	381	500
82394XX	4/0	2052	0.26	13.40	1.98	20.0	1052	0.17	808	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	Orange-White - 73
White-Green - A07	White-Yellow - A08	Red-White - A12								

✓ 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.

\*\* We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.



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