

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 1128 : 2015
- ✓ Insulation : Electron beam cross linked polyolefin.
- ✓ Colour : As per customer order.
- ✓ Single core

Technical Data

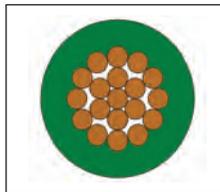
- ✓ Temperature Range : - 40°C to +125°C (3000 Hours)
- ✓ Standard : SAE J1128 : 2015
- ✓ Test Voltage : 1 kV
- ✓ S : Special Purpose.
- ✓ XL : Cross linked polyolefin .

Features

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

Automotive Cables **SXL**

2D View



Approvals	Accreditations	Certifications

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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.			
82182XX *	AWG 20	nos. 7	mm 0.31	mm 0.93	mm 0.52	mm 0.74	mm 2.8	kg/km 11	Ω/km 35.7	Amps 18	mtrs 1000
82181XX	18	16	0.26	1.21	0.53	0.76	3.0	13	24.7	23	1000
C82181XX	18	19	0.23	1.21	0.53	0.76	3.0	13	24.7	23	1000
82180XX	16	19	0.29	1.45	0.57	0.81	3.4	20	15.4	29	1000
82179XX	14	19	0.36	1.80	0.62	0.89	3.9	25	9.3	40	500
82178XX	12	19	0.45	2.25	0.66	0.94	4.6	40	5.9	53	500
82177XX	10	19	0.57	2.85	0.73	1.04	5.3	55	3.7	70	500
C82176XX	8	49	0.45	3.55	0.76	1.09	6.2	93	2.4	89	500
82176XX	8	19	0.71	3.55	0.76	1.09	6.2	93	2.4	89	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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