



Application

- ✓ Suitable for inside engine compartment
- ✓ 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 (Asymmetrical)
- ✓ Optional : Tinned
- ✓ Insulation : FEP (Fluorinated Ethylene Propylene), (Thin wall)
- ✓ Colour : As per customer order.
- ✓ Single core

Technical Data

- ✓ Temperature Range : - 40°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
- ✓ FL : Automotive Cable
- ✓ R : Reduced wall thickness
- ✓ 6Y : Fluorinated Ethylene Propylene
- ✓ B : Asymmetrical (Structure B)
- ✓ Standard : ISO 6722, Class F LV 112-1

Features

- ✓ Good mechanical and thermal properties
- ✓ Excellent chemical resistance
- ✓ Very good oil and fuel resistance
- ✓ High resistance to atmospheric conditions and ozone

Automotive Cables

FLR6Y-B

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

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 Max.		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	1.40	5	15	54.4	500
A89506XX	0.5	16	0.21	1.10	0.22	1.60	6	19	37.1	500
A89508XX	0.75	24	0.21	1.30	0.24	1.90	9	25	24.7	500
A89510XX	1.0	32	0.21	1.50	0.24	2.10	11	30	18.5	500
A89513XX	1.5	30	0.26	1.80	0.24	2.40	16	38	12.7	500
A89516XX	2.5	50	0.26	2.20	0.28	3.00	25	54	7.60	500
A89519XX	4	56	0.31	2.80	0.32	3.70	40	74	4.71	500
A89523XX	6	84	0.31	3.40	0.32	4.30	60	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 of 210° 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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