

Application

- ✓ Light weight battery cable with standard aluminium conductor.
- ✓ Electrical vehicle charging station.
- ✓ Portable cables for hybrid & electric vehicles.
- ✓ Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places.

Product Construction

- ✓ Conductor : Aluminium Alloy Conductor EAL 99,7 acc. to EN 573-3 (Asymmetrical Structure B).
- ✓ Insulation : EBXL - PP low halogenated. (Reduced wall thickness).
- ✓ Colour : As per customer order.

Technical Data

- ✓ Temperature Range : -40°C to 125°C / 3000hrs.
- ✓ Voltage : 60V.
- ✓ Min. Bending radius : 5 x Cable OD (Static).
- ✓ FL : Automotive Cable.
- ✓ AL : Aluminium.
- ✓ R : Reduced wall thickness.
- ✓ 9Y : PP (Polypropylene).
- ✓ B - Structure B.
- ✓ Standard : ISO 19642-4, LV 112-2.

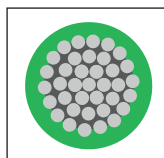
Features

- ✓ Flame retardant.
- ✓ Electron Beam Cross-Linked.
- ✓ RoHS.
- ✓ Highly resistant against acids, alkaline, petrol and diesel.
- ✓ Extra flexibility.
- ✓ Light weight.
- ✓ Excellent resistance to oil and flame.

Automotive Cables

FLALR9Y-B

2D View



Approvals Accreditations Certifications



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Part Number	Conductor Construction				Insulation Wall Thickness Min.	Cable Overall Diameter		Weight Approx.	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.		Min.	Max.				
	mm ²	nos.	mm	mm	mm	mm	mm	kg/km	Ω/km	Amps	mtrs
D31117XX*	3	23	0.42	2.4	0.32	3.1	3.4	12	10.9	37	500
D31119XX	4	30	0.42	2.8	0.32	3.4	3.7	17	8.32	44	500
D31121XX	5	36	0.42	3.1	0.32	3.9	4.2	20	6.96	50	500
D31123XX	6	45	0.42	3.4	0.32	4.0	4.3	27	5.55	57	500
D31125XX	8	59	0.42	4.3	0.32	4.6	5.0	30	4.20	70	500
D31127XX	10	50	0.52	4.5	0.48	5.3	6.0	40	3.21	83	500
D311A11XX	12	60	0.52	5.4	0.48	5.8	6.5	45	2.68	94	500
D31128XX	16	78	0.52	6.3	0.52	6.4	7.2	60	2.05	112	500
D31156XX	20	95	0.52	6.9	0.52	7.0	7.8	63	1.69	126	500
D31130XX	25	122	0.52	7.8	0.52	7.9	8.7	85	1.31	147	500
D31157XX	30	141	0.52	8.3	0.64	8.7	9.6	105	1.14	160	500
D31132XX	35	172	0.52	9.0	0.64	9.4	10.4	125	0.931	181	500
D31158XX	40	193	0.52	9.6	0.71	10.0	11.1	140	0.835	194	500
D31134XX	50	247	0.52	10.5	0.71	11.0	12.2	170	0.650	224	500
D31135XX	60	289	0.52	11.6	0.80	12.0	13.3	198	0.556	247	500
D31137XX	70	351	0.52	12.5	0.80	13.0	14.4	240	0.457	276	500
D31159XX	85	420	0.52	13.6	0.90	14.4	15.8	285	0.387	304	500
D31138XX	95	463	0.52	14.8	0.90	15.3	16.7	310	0.346	327	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	

Note :

- ✓ *Other length as per Customer order.
- ✓ Current Carrying capacity given is for the maximum conductor operating temperature of 125°C and ambient air temperature of 40°C.

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



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