

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.

Features

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

Product Construction

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

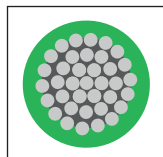
Technical Data

- ✓ Temperature Range :
-40°C to 125°C / 3000h
- ✓ Voltage level : 60V.
- ✓ Min. Bending radius : 5 x Cable OD(Static).
- ✓ FL - Automotive Cable.
- ✓ AL - Aluminium.
- ✓ R - Reduced wall thickness.
- ✓ 11Y - Polyurethane.
- ✓ B - Structure B.
- ✓ Standard : ISO 19642-4.

Automotive
Cables

FLALR11Y-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
D31227XX*	10	50	0.52	4.5	0.48	5.3	6.0	42	3.03	84	500
D312A11XX	12	60	0.52	5.4	0.48	5.8	6.5	45	2.53	96	500
D31228XX	16	78	0.52	6.3	0.52	6.4	7.2	60	1.93	113	500
D31256XX	20	95	0.52	6.9	0.52	7.0	7.8	64	1.59	128	500
D31230XX	25	122	0.52	7.8	0.52	7.9	8.7	90	1.24	149	500
D31257XX	30	141	0.52	8.3	0.64	8.7	9.6	103	1.08	163	500
D31232XX	35	172	0.52	9.0	0.64	9.4	10.4	128	0.878	184	500
D31258XX	40	193	0.52	9.6	0.71	10.0	11.1	143	0.788	197	500
D31234XX	50	247	0.52	10.5	0.71	11.0	12.2	172	0.613	227	500
D31235XX	60	289	0.52	11.6	0.80	12.0	13.3	197	0.525	251	500
D31237XX	70	351	0.52	12.5	0.80	13.0	14.4	240	0.432	280	500
D31259XX	85	420	0.52	13.6	0.90	14.4	15.8	290	0.365	310	500
D31238XX	95	463	0.52	14.8	0.90	15.3	16.7	310	0.327	332	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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