

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

Product Construction

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

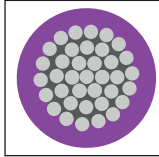
Technical Data

- ✓ Temperature Range :
-40°C to 150°C / 3000hrs.
- ✓ Voltage : 60V.
- ✓ Min. Bending radius : 5 x Cable OD(Static).
- ✓ FL - Automotive Cable.
- ✓ AL - Aluminium.
- ✓ R - Reduced wall thickness.
- ✓ 2X - Polyethylene.
- ✓ B - Structure B.
- ✓ Standard : ISO 19642-4, LV 112-2.

 Automotive
Cables

FLALR2X - 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 at Ambient temperature 40°C	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
D48817XX*	3	23	0.42	2.4	0.32	3.1	3.4	14	10.2	42	500
D48819XX	4	30	0.42	2.8	0.32	3.4	3.7	18	7.85	49	500
D48821XX	5	36	0.42	3.1	0.32	3.9	4.2	21	6.57	56	500
D48823XX	6	45	0.42	3.4	0.32	4.0	4.3	24	5.23	64	500
D48825XX	8	56	0.42	4.3	0.32	4.6	5.0	32	3.97	78	500
D48827XX	10	50	0.52	4.5	0.48	5.3	6.0	42	3.03	92	500
D488A11XX	12	60	0.52	5.4	0.48	5.8	6.5	50	2.53	104	500
D48828XX	16	78	0.52	6.3	0.52	6.4	7.2	65	1.93	124	500
D48856XX	20	95	0.52	6.9	0.52	7.0	7.8	70	1.59	140	500
D48830XX	25	122	0.52	7.8	0.52	7.9	8.7	91	1.24	163	500
D48857XX	30	141	0.52	8.3	0.64	8.7	9.6	110	1.08	178	500
D48832XX	35	172	0.52	9.0	0.64	9.4	10.4	131	0.878	201	500
D48858XX	40	193	0.52	9.6	0.71	10.0	11.1	150	0.788	215	500
D48834XX	50	247	0.52	10.5	0.71	11.0	12.2	175	0.613	249	500
D48835XX	60	289	0.52	11.6	0.80	12.0	13.3	200	0.525	279	500
D48837XX	70	351	0.52	12.5	0.80	13.0	14.4	250	0.432	319	500
D48859XX	85	420	0.52	13.6	0.90	14.4	15.8	300	0.365	361	500
D48838XX	95	463	0.52	14.8	0.90	15.3	16.7	320	0.327	394	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 150°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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