

## 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
- ✓ Enhanced DV power rating makes it ideal for high powered charging stations
- ✓ Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
- ✓ Suitability for installation with possibility of water immersion
- ✓ Conductor cross-sections can be optimized using simulations.

## Features

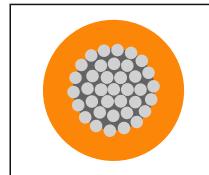
- ✓ Designed for harsh mechanical environments.
- ✓ Chemical and abrasion resistant.
- ✓ Hydrolyse resistant.
- ✓ Thermal stress resistant.
- ✓ Halogen free.
- ✓ Flame resistant.
- ✓ High flexibility and easy to use.
- ✓ Cable is constructed to prevent injury and leakage.
- ✓ Low corrosive gas emission.
- ✓ Low Bending Radii
- ✓ Reliable Insulation Resistance
- ✓ Excellent Sealing Properties
- ✓ High Performance Silicone
- ✓ Weight Saving Potentials
- ✓ Ready for optimized processing

## Product Construction

- ✓ Conductor : Aluminium Conductor (As per ISO 19642-4).
- ✓ Insulation : Silicon rubber, High temperature.
- ✓ Covering : Standard wall thickness.
- ✓ Colour : As per customer order.

Automotive Cables      FLAL2G

## 2D View



## Technical Data

- ✓ Temperature Range : -40°C to 200°C / 3000h.
- ✓ Voltage level : 60V.
- ✓ Thermal Overload : 250°C
- ✓ Min. Bending Radius : 5xD(Static).
- ✓ FL : Automotive cable.
- ✓ AL : Aluminium
- ✓ 2G : Silicone rubber (SIR)
- ✓ Specification : ISO 19642-4

Approvals	Accreditations	Certifications
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Part Number	Conductor Construction				Insulation Wall Thickness Min.	Overall Diameter		Weight Approx.	Max. Conductor Resistance at 20°C	Standard Length*
	Nominal Cross-Section	No. of Strands	Diameter of Single wire Max.	Conductor Diameter Max.		Min.	Max.			
	mm <sup>2</sup>	nos.	mm	mm	mm	mm	mm	kg/km	Ω/km	mtrs
D08427XX	10	50	0.52	4.5	0.8	5.9	6.5	45	3.03	500
D084A11XX	12	60	0.52	5.4	0.8	6.6	7.4	53	2.53	500
D08428XX	16	78	0.52	6.3	0.8	7.7	8.3	67	1.93	500
D08456XX	20	95	0.52	6.9	0.88	8.1	9.1	82	1.595	500
D08430XX	25	122	0.52	7.8	1.04	9.4	10.4	104	1.24	500
D08457XX	30	141	0.52	8.3	1.04	9.7	10.9	120	1.08	500
D08432XX	35	172	0.52	9.0	1.04	9.6	11.6	136	0.878	500
D08458XX	40	193	0.52	9.6	1.12	11.2	12.4	155	0.788	500
D08434XX	50	247	0.52	10.5	1.20	11.5	13.5	190	0.613	500
D08435XX	60	289	0.52	11.6	1.20	13.4	14.6	220	0.525	500
D08437XX	70	351	0.52	12.5	1.20	13.5	15.5	252	0.432	500
D08459XX	85	420	0.52	13.6	1.28	14.8	16.8	300	0.365	500
D08438XX	95	463	0.52	14.8	1.28	16.0	18.0	335	0.327	500
D08441XX	120	305	0.72	16.5	1.28	17.7	19.7	408	0.255	500

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

