FHL2X

-40°C to +150°C, 1000/1500V



Construction
Conductor: Flexible Bare Copper
Insulation: Extruded · XLPE

Thermal Characteristics
Operating Temperature: -40°C to +150°C

Electrical Characteristics
Operating Voltage: 1000/1500V

Application
EV High-Voltage Circuits: Thick-wall cross-linked high-voltage wire for auxiliary and body harnesses in electric vehicles.

General Characteristics
Heat Stability: Cross-linked insulation resists thermal deformation and overload heat.
Abrasion Resistance: Tough thick-wall insulation withstands mechanical chafing and pinch loads in body routing.

Standards & Approvals
ISO 19642-5: Unscreened single-core high-voltage automotive cables.
ISO 19642-2: Test methods for automotive cables.

FHL2X-A

CASMO Part No.	Conductor				Min. Ins. Thickness (mm)	Cable		Max. DCR @20°C (Ω/km)	Nom. Cable Weight (kg/km)
	Conductor Size (mm²)	No. Of Strands	Max. Strand Dia. (mm)	Max. Conductor Dia. (mm)		Min. Overall O.D. (mm)	Max. Overall O.D. (mm)		
810130.75/19-XX	0.75	19	0.24	1.30	0.48	2.20	2.50	24.7	12
810131/19-XX	1	19	0.27	1.50	0.48	2.40	2.70	18.5	15
810131.5/19-XX	1.5	19	0.32	1.80	0.48	2.70	3.00	12.7	20

Table Notes

† Part No. code: XX = colour code — OR Orange (standard high-voltage colour), BK Black, RD Red, BL Blue, YW Yellow, GN Green, WH White, BN Brown, VT Violet, GY Grey.

FHL2X-B

CASMO Part No.	Conductor				Min. Ins. Thickness (mm)	Cable		Max. DCR @20°C (Ω/km)	Nom. Cable Weight (kg/km)
	Conductor Size (mm²)	No. Of Strands	Max. Strand Dia. (mm)	Max. Conductor Dia. (mm)		Min. Overall O.D. (mm)	Max. Overall O.D. (mm)		
810130.5/16-XX	0.5	16	0.21	1.10	0.48	2.00	2.30	37.1	9.2
810130.75/24-XX	0.75	24	0.21	1.30	0.48	2.20	2.50	24.7	12
810131/32-XX	1	32	0.21	1.50	0.48	2.40	2.70	18.5	15
810131.5/30-XX	1.5	30	0.26	1.80	0.48	2.70	3.00	12.7	20

Table Notes

† Part No. code: XX = colour code — OR Orange (standard high-voltage colour), BK Black, RD Red, BL Blue, YW Yellow, GN Green, WH White, BN Brown, VT Violet, GY Grey.

Please confirm application-specific requirements with CASMO before ordering. Specifications are subject to change; please ensure you are using the latest revision.

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