FHLR12Y

150°C, 600/900V



Construction
Conductor: Flexible Bare Copper or Flexible Tinned Copper
Insulation: Extruded · TPE-E

Thermal Characteristics
Operating Temperature: 150°C

Electrical Characteristics
Operating Voltage: 600/900V

Application
Automotive High-Voltage Circuits: Ultra-thin-wall, heat-resistant primary wiring for high-voltage automotive circuits.

General Characteristics
Ultra-Thin Wall: Ultra-thin insulation keeps the finished cable small for dense, lightweight harnesses.
Abrasion Resistance: Withstands abrasion and chafing in harness routing.

Standards & Approvals
ISO 19642-5: High-voltage single-core cables for automobiles.
ISO 6722-1: Test methods for single-core automotive cables.

FHLR12Y-A

CASMO Part No.	Conductor				Min. Ins. Thickness (mm)	Max. Overall O.D. (mm)	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)			BC	TPC	
1150390.35/7-**-XX	0.35	7	0.27	0.80	0.20	1.30	54.4	55.5	4.5
1150390.5/19-**-XX	0.5	19	0.19	1.00	0.22	1.60	37.1	38.2	6.6
1150390.75/19-**-XX	0.75	19	0.24	1.20	0.24	1.90	24.7	25.4	9.3
1150391/19-**-XX	1	19	0.27	1.35	0.24	2.10	18.5	19.1	12.2
1150391.5/19-**-XX	1.5	19	0.33	1.70	0.24	2.40	12.7	13	16.7
1150392.5/19-**-XX	2.5	19	0.41	2.20	0.28	3.00	7.6	7.82	26.3

Table Notes

† Part No. code: XX = colour code — BK Black, WH White, RD Red, GN Green, BN Brown, BL Blue, OR Orange, YW Yellow, VT Violet, GY Grey, PK Pink, TN Tan, CL Clear.

‡ Replace ** with the conductor code: AS for bare copper or TS for tinned copper.

FHLR12Y-B

CASMO Part No.	Conductor				Min. Ins. Thickness (mm)	Max. Overall O.D. (mm)	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)			BC	TPC	
1150390.35/12-**-XX	0.35	12	0.21	0.90	0.20	1.40	54.4	55.5	4.4
1150390.5/16-**-XX	0.5	16	0.21	1.00	0.22	1.60	37.1	38.2	6.4
1150390.75/24-**-XX	0.75	24	0.21	1.20	0.24	1.90	24.7	25.4	9.2
1150391/32-**-XX	1	32	0.21	1.35	0.24	2.10	18.5	19.1	12.1

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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FHLR12Y

150°C, 600/900V



FHLR12Y-B

CASMO Part No.	Conductor				Min. Ins. Thickness (mm)	Max. Overall O.D. (mm)	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)			BC	TPC	
1150391.5/30-**-XX	1.5	30	0.26	1.70	0.24	2.40	12.7	13	16.7
1150392/28-**-XX	2	28	0.31	2.00	0.28	2.80	9.42	9.69	22.0
1150392.5/50-**-XX	2.5	50	0.26	2.20	0.28	3.00	7.6	7.82	27.3
1150393/44-**-XX	3	44	0.31	2.40	0.32	3.40	6.15	6.36	32.8
1150394/56-**-XX	4	56	0.31	2.75	0.32	3.70	4.71	4.85	42.0

Table Notes

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