FLR91X

125°C, 25/60V



Construction
Conductor: Flexible Bare Copper or Flexible Tinned Copper
Insulation: Extruded · XLPO

Thermal Characteristics
Operating Temperature: 125°C

Electrical Characteristics
Operating Voltage: 25/60V

Application
Automotive Low-Voltage Circuits: Heat-resistant thin-wall primary wiring for low-voltage automotive circuits.

General Characteristics
Thin-Wall Construction: Thin insulation keeps the harness bundle smaller and lighter.
Abrasion Resistance: Withstands abrasion and chafing in harness routing.

Standards & Approvals
ISO 19642-3: Low-voltage single-core cables for automobiles.
ISO 6722-1: Test methods for single-core automotive cables.

FLR91X-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	
1150170.22/7-**-XX	0.22	7	0.20	0.61	0.25	1.11	84.8	86.5	2.7
1150170.35/7-**-XX	0.35	7	0.26	0.79	0.25	1.29	54.4	55.5	4.0
1150170.35/19-**-XX	0.35	19	0.16	0.81	0.25	1.31	54.4	55.5	4.1
1150170.5/19-**-XX	0.5	19	0.19	0.96	0.25	1.46	37.1	38.2	5.5
1150170.75/19-**-XX	0.75	19	0.23	1.16	0.30	1.76	24.7	25.4	8.2
1150171/19-**-XX	1	19	0.26	1.31	0.30	1.91	18.5	19.1	10.5
1150171.5/19-**-XX	1.5	19	0.32	1.61	0.30	2.21	12.7	13	15.2

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.

FLR91X-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	
1150170.35/12-**-XX	0.35	12	0.20	0.80	0.30	1.40	54.4	55.5	4.3
1150170.5/16-**-XX	0.5	16	0.20	0.92	0.30	1.52	37.1	38.2	5.7
1150170.75/24-**-XX	0.75	24	0.20	1.13	0.30	1.73	24.7	25.4	8.1

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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FLR91X

125°C, 25/60V



FLR91X-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	
1150171/32-**-XX	1	32	0.20	1.31	0.30	1.91	18.5	19.1	10.5
1150171.5/30-**-XX	1.5	30	0.25	1.58	0.30	2.18	12.7	13	15.1
1150172/37-**-XX	2	37	0.26	1.83	0.35	2.53	9.42	9.69	20.2
1150172.5/51-**-XX	2.5	51	0.25	2.06	0.35	2.76	7.6	7.82	25.0
1150173/61-**-XX	3	61	0.25	2.26	0.40	3.06	6.15	6.36	30.1
1150174/81-**-XX	4	81	0.25	2.60	0.50	3.60	4.71	4.85	40.6
1150176/75-**-XX	6	75	0.32	3.20	0.50	4.20	3.14	3.23	59.3
1150178/100-**-XX	8	100	0.32	3.70	0.60	4.90	2.38	2.52	79.5

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