FLR51Y

-40°C to +260°C, 25/60V



Construction
Conductor: Flexible Nickel Plated Copper
Insulation: Extruded · PFA

Thermal Characteristics
Operating Temperature: -40°C to +260°C

Electrical Characteristics
Operating Voltage: 25/60V

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

General Characteristics
Heat Stability: Holds its dimensions after heat exposure, with minimal shrinkage at the cable ends.
Fluid Resistance: Resists gasoline, diesel and engine oil in vehicle service.

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

RoHS COMPLIANT REACH COMPLIANT

FLR51Y-A

CASMO Part No.	Conductor				Min. Ins. Thickness (mm)	Max. Overall O.D. (mm)	NPC	Nom. Cable Weight (kg/km)
	Conductor Size (mm²)	No. Of Strands	Max. Strand Dia. (mm)	Max. Conductor Dia. (mm)				
1150240.13/7-NS-XX	0.13	7	0.16	0.50	0.20	1.05	149	2.7
1150240.22/7-NS-XX	0.22	7	0.21	0.70	0.20	1.20	87.9	4.0
1150240.35/7-NS-XX	0.35	7	0.27	0.80	0.20	1.30	56.5	5.4
1150240.5/19-NS-XX	0.5	19	0.19	1.00	0.22	1.60	39.0	7.6
1150240.75/19-NS-XX	0.75	19	0.24	1.20	0.24	1.90	26.0	11.0
1150241/19-NS-XX	1	19	0.27	1.35	0.24	2.10	19.5	13.8
1150241.5/19-NS-XX	1.5	19	0.33	1.70	0.24	2.40	13.3	19.5
1150242.5/19-NS-XX	2.5	19	0.41	2.20	0.28	3.00	7.98	30.6

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.

‡ Conductor code: NS for nickel-plated copper.

FLR51Y-B

CASMO Part No.	Conductor				Min. Ins. Thickness (mm)	Max. Overall O.D. (mm)	NPC	Nom. Cable Weight (kg/km)
	Conductor Size (mm²)	No. Of Strands	Max. Strand Dia. (mm)	Max. Conductor Dia. (mm)				
1150240.35/12-NS-XX	0.35	12	0.21	0.90	0.20	1.40	56.5	5.4
1150240.5/16-NS-XX	0.5	16	0.21	1.00	0.22	1.60	39.0	7.6

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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FLR51Y-B

CASMO Part No.	Conductor				Min. Ins. Thickness (mm)	Max. Overall O.D. (mm)	NPC	Nom. Cable Weight (kg/km)
	Conductor Size (mm^2)	No. Of Strands	Max. Strand Dia. (mm)	Max. Conductor Dia. (mm)				
1150240.75/24-NS-XX	0.75	24	0.21	1.20	0.24	1.90	26.0	11.0
1150241/32-NS-XX	1	32	0.21	1.35	0.24	2.10	19.5	13.8
1150241.5/30-NS-XX	1.5	30	0.26	1.70	0.24	2.40	13.3	19.5
1150242/28-NS-XX	2	28	0.31	2.00	0.28	2.80	9.89	25.9
1150242.5/50-NS-XX	2.5	50	0.26	2.20	0.28	3.00	7.98	30.9
1150244/56-NS-XX	4	56	0.31	2.75	0.32	3.70	4.95	50.5
1150246/84-NS-XX	6	84	0.31	3.30	0.32	4.30	3.30	73.4

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