FLR5Y

-40°C to +260°C, 25/60V



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

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

Electrical Characteristics
Operating Voltage: 25/60V

Application
High-Temperature Automotive Sensor & Engine Harness: Thin-wall primary wiring for exhaust gas temperature (EGT) sensors, NOx/lambda sensors, and high-temperature engine compartments.

General Characteristics
Thermal & Aging Stability: Maintains dielectric integrity and mechanical stability under sustained thermal cycling and heat aging.
Fluid & Chemical Inertness: Resists fuels, lubricants, hydraulic fluids, oils, acids, alkalis, and industrial solvents.
Thin-Wall Space Saving: Compact thin-wall insulation reduces harness bundle diameter and overall weight.

Standards & Approvals
ISO 19642-3: Low-voltage single-core cables for automobiles (Class H, 260°C).
ISO 6722-1: Test methods for single-core automotive cables.

RoHS COMPLIANT REACH COMPLIANT

FLR5Y-A

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)				
160010.13/7-NS-XX	0.13	7	0.16	0.50	0.20	1.05	149	2.7
160010.22/7-NS-XX	0.22	7	0.21	0.70	0.20	1.20	87.9	4.0
160010.35/7-NS-XX	0.35	7	0.27	0.80	0.20	1.30	56.5	5.4
160010.5/19-NS-XX	0.5	19	0.19	1.00	0.22	1.60	39.0	7.6
160010.75/19-NS-XX	0.75	19	0.24	1.20	0.24	1.90	26.0	11.0
160011/19-NS-XX	1	19	0.27	1.35	0.24	2.10	19.5	13.8
160011.5/19-NS-XX	1.5	19	0.33	1.70	0.24	2.40	13.3	19.5
160012.5/19-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.

FLR5Y-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)				
160010.35/12-NS-XX	0.35	12	0.21	0.90	0.20	1.40	56.5	5.4
160010.5/16-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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CABLES FOR EXTREMES

FLR5Y

-40°C to +260°C, 25/60V



FLR5Y-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)				
160010.75/24-NS-XX	0.75	24	0.21	1.20	0.24	1.90	26.0	11.0
160011/32-NS-XX	1	32	0.21	1.35	0.24	2.10	19.5	13.8
160011.5/30-NS-XX	1.5	30	0.26	1.70	0.24	2.40	13.3	19.5
160012/28-NS-XX	2	28	0.31	2.00	0.28	2.80	9.89	25.9
160012.5/50-NS-XX	2.5	50	0.26	2.20	0.28	3.00	7.98	30.9
160014/56-NS-XX	4	56	0.31	2.75	0.32	3.70	4.95	50.5
160016/84-NS-XX	6	84	0.31	3.30	0.32	4.30	3.30	73.4
1600110/80-NS-XX	10	80	0.41	4.50	0.48	6.00	1.91	118.5

Table Notes

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