

FLUY, FLRY & FLY Automotive Lead Wire

Ultra Thin Wall or Thin Wall or Thick Wall

60 VDC and 25 VAC

100°C, -40°C



Image not to scale. See Table 1 for Dimensions

CONSTRUCTION:

- Conductors:** Bare or Tinned Copper
Type A Symmetrical, Type B Asymmetrical, or Type C Flexible
Ultra Thin Wall: 0.35 mm² through 2.5 mm²*
Thin Wall: 0.22 mm² through 35 mm²
Thick Wall: 0.35 mm² through 120.0 mm²
- Insulation:** Polyvinyl Chloride (PVC)
*Only available in Type A Symmetrical

APPLICATIONS AND FEATURES:

Southwire PVC Automotive Lead Wires are 60 VDC and 25 VAC cables that can be used in harnesses made for all types of land vehicles. 600 V rated designs may be available on special order. Contact sales.

This construction meets 3000 hour long-term aging. Resistant to flame, ozone, hot water, abrasion, automotive fluids, temperature, and humidity cycling.

SPECIFICATIONS:

- FORD: ES-AU5T-1A348-AA Class 1 & Class 2
- GM: GMW 15626 Class A & Class B
- FIAT/CHRYSLER: MS.90034 Class A, Class B & Class C
- INTERNATIONAL STANDARDS: ISO 6722-1 Class A & B
- RoHS Compliant



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TABLE 1 - MEASUREMENTS

Cond. Size	CONDUCTOR CONSTRUCTION (mm)			MAX CONDUCTOR OD	ULTRA THIN WALL				THIN WALL				THICK WALL			
	TYPE A	TYPE B	TYPE C		Insulation Thickness	Outside Diameter		Insulation Thickness	Outside Diameter		Insulation Thickness	Outside Diameter		Insulation Thickness	Outside Diameter	
						nom (mm)	max (mm)		nom (mm)	max (mm)		nom (mm)	max (mm)		nom (mm)	max (mm)
0.22	7/0.21	---	19/0.13	0.70	0.16	0.20	0.95	1.05	0.20	0.25	1.10	1.20	---	---	---	---
0.35	7/0.27	12/0.21	19/0.16	0.90	0.16	0.20	1.10	1.20	0.20	0.25	1.20	1.40	---	---	---	---
0.5	19/0.19	16/0.21	38/0.14	1.10	0.16	0.20	1.30	1.40	0.22	0.28	1.40	1.60	0.48	0.60	2.00	2.30
0.75	19/0.24	24/0.21	38/0.16	1.30	0.16	0.20	1.45	1.60	0.24	0.30	1.70	1.90	0.48	0.60	2.20	2.50
1.00	19/0.27	32/0.21	54/0.16	1.50	0.16	0.20	1.55	1.75	0.24	0.30	1.90	2.10	0.48	0.60	2.40	2.70
1.50	19/0.33	30/0.26	79/0.16	1.80	0.16	0.20	1.90	2.10	0.24	0.30	2.20	2.40	0.48	0.60	2.70	3.00
2.00	19/0.38	28/0.31	105/0.16	2.00	0.20	0.25	2.20	2.40	0.28	0.35	2.50	2.80	0.48	0.60	3.00	3.30
2.50	37/0.29	50/0.26	140/0.16	2.20	0.20	0.25	2.50	2.70	0.28	0.35	2.70	3.00	0.56	0.70	3.30	3.60
3.00	37/0.34	44/0.31	160/0.16	2.40	---	---	---	---	0.32	0.40	3.10	3.40	0.56	0.70	3.80	4.10
4.00	37/0.38	56/0.31	224/0.16	2.80	---	---	---	---	0.32	0.40	3.40	3.70	0.64	0.80	4.00	4.40
5.00	37/0.43	65/0.33	250/0.16	3.10	---	---	---	---	0.32	0.40	3.90	4.20	0.64	0.80	4.50	4.90
6.00	37/0.45	84/0.31	320/0.16	3.40	---	---	---	---	0.32	0.40	4.00	4.30	0.64	0.80	4.60	5.00
8.00	98/0.33	62/0.41	240/0.21	4.30	---	---	---	---	---	---	---	---	0.64	0.80	5.00	5.90
10.00	63/0.46	80/0.41	320/0.21	4.50	---	---	---	---	---	---	---	---	0.80	1.00	5.90	6.50
12.00	154/0.33	96/0.41	380/0.21	5.40	---	---	---	---	---	---	---	---	0.80	1.00	6.60	7.40
16.00	105/0.46	126/0.41	512/0.21	6.30	---	---	---	---	---	---	---	---	0.80	1.00	7.70	8.30
20.00	247/0.33	152/0.41	610/0.21	6.90	---	---	---	---	---	---	---	---	0.88	1.10	8.10	9.10
25.00	154/0.46	196/0.41	790/0.21	7.60	---	---	---	---	---	---	---	---	1.04	1.30	9.40	10.40
30.00	361/0.33	224/0.41	900/0.21	8.30	---	---	---	---	---	---	---	---	1.04	1.30	9.70	10.90
35.00	551/0.30	276/0.41	1070/0.21	9.00	---	---	---	---	---	---	---	---	1.04	1.30	9.60	11.60
40.00	494/0.33	308/0.41	1200/0.21	9.60	---	---	---	---	---	---	---	---	1.12	1.40	11.20	12.40
50.00	798/0.33	396/0.41	1600/0.21	10.50	---	---	---	---	---	---	---	---	1.20	1.50	11.50	13.50
60.00	741/0.33	296/0.41	1200/0.26	11.60	---	---	---	---	---	---	---	---	1.20	1.50	13.40	14.60
70.00	1140/0.30	360/0.51	1427/0.26	12.50	---	---	---	---	---	---	---	---	1.20	1.50	13.50	15.50
95.00	836/0.40	475/0.51	1936/0.26	14.80	---	---	---	---	---	---	---	---	1.28	1.60	16.00	18.00
120.00	1064/0.40	608/0.51	2450/0.26	16.50	---	---	---	---	---	---	---	---	1.28	1.60	17.70	19.70

