

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 FLUY, FLRY, and FLY 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.

These constructions meet 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
- INTERNATIONAL STANDARDS: ISO 6722-1 Class A & B
- RoHS Compliant



Southwire Company, LLC | One Southwire Drive, Carrollton, GA 30119 | www.southwire.com

Copyright © 2016 Southwire Company, LLC. All Rights Reserved



Southwire[®]

OEMCS2016109 DATE: 10/16/17 Rev: 2

TABLE 1 - MEASUREMENTS

Cond. Size	CONDUCTOR CONSTRUCTION (mm)			MAX CONDUCTOR OD mm	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		
					min (mm)	nom (mm)	min (mm)	max (mm)	min (mm)	nom (mm)	min (mm)	max (mm)	min (mm)	nom (mm)	min (mm)	max (mm)	
0.35						0.16	0.20	1.10	1.20	0.20	0.25	1.20	1.40				
0.5	7/0.27	12/0.21	19/0.16	0.90	0.16	0.20	1.30	1.40	0.22	0.28	1.40	1.60	2.00	0.60	2.00	2.30	
0.75	19/0.19	16/0.21	38/0.14	1.10	0.16	0.20	1.45	1.60	0.24	0.30	1.70	1.90	2.20	0.60	2.20	2.50	
1.00	19/0.24	24/0.21	38/0.16	1.30	0.16	0.20	1.55	1.75	0.24	0.30	1.90	2.10	2.40	0.60	2.40	2.70	
1.50	19/0.27	32/0.21	54/0.16	1.50	0.16	0.20	1.90	2.10	0.24	0.30	2.20	2.40	2.70	0.60	2.70	3.00	
2.00	19/.033	30/0.26	79/0.16	1.80	0.16	0.20	2.20	2.40	0.28	0.35	2.50	2.80	3.00	0.60	3.00	3.30	
2.50	19/0.38	28/0.31	105/0.16	2.00	0.20	0.25	2.50	2.70	0.28	0.35	2.70	3.00	3.30	0.70	3.30	3.60	
3.00	37/0.29	50/0.26	140/0.16	2.20	0.20	0.25	3.00	3.30	0.32	0.40	3.10	3.40	3.80	0.80	3.80	4.10	
4.00	37/0.34	44/0.31	160/0.16	2.40	---	---	---	---	---	---	---	---	---	---	---	---	
5.00	37/0.38	56/0.31	224/0.16	2.80	---	---	---	---	---	---	---	---	---	---	---	---	
6.00	37/0.43	65/0.33	250/0.16	3.10	---	---	---	---	---	---	---	---	---	---	---	---	
8.00	37/0.45	84/0.31	320/0.16	3.40	---	---	---	---	---	---	---	---	---	---	---	---	
10.00	98/0.33	62/0.41	240/.021	4.30	---	---	---	---	---	---	---	---	---	---	---	---	
12.00	63/0.46	80/0.41	320/0.21	4.50	---	---	---	---	---	---	---	---	---	---	---	---	
16.00	154/0.33	96/0.41	380/0.21	5.40	---	---	---	---	---	---	---	---	---	---	---	---	
20.00	105/0.46	126/0.41	512/0.21	6.30	---	---	---	---	---	---	---	---	---	---	---	---	
25.00	247/0.33	152/0.41	610/0.21	6.90	---	---	---	---	---	---	---	---	---	---	---	---	
30.00	154/0.46	196/0.41	790/0.21	7.60	---	---	---	---	---	---	---	---	---	---	---	---	
35.00	361/0.33	224/0.41	900/0.21	8.30	---	---	---	---	---	---	---	---	---	---	---	---	
40.00	551/0.30	276/0.41	1070/0.21	9.00	---	---	---	---	---	---	---	---	---	---	---	---	
50.00	494/0.33	308/0.41	1200/0.21	9.60	---	---	---	---	---	---	---	---	---	---	---	---	
60.00	798/0.33	396/0.41	1600/0.21	10.50	---	---	---	---	---	---	---	---	---	---	---	---	
70.00	741/0.33	296/0.41	1200/0.26	11.60	---	---	---	---	---	---	---	---	---	---	---	---	
95.00	1140/0.30	360/0.51	1427/0.26	12.50	---	---	---	---	---	---	---	---	---	---	---	---	
120.00	836/0.40	475/0.51	1936/0.26	14.80	---	---	---	---	---	---	---	---	---	---	---	---	
	1064/.040	608/.051	2450/0.26	16.50	---	---	---	---	---	---	---	---	---	---	---	---	

