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





ABLE 1 - MEASUREMENTS

10.40 11.60 12.40 13.50 14.60 15.50 18.00 19.70 9.10 10.90 (IIII) 3.00 4.10 5.00 2.30 2.50 2.70 3.30 3.60 4.40 4.90 5.90 6.50 8.30 Outside 11.50 16.00 17.70 2.00 5.00 13.50 2.20 2.70 3.00 3.80 8.4 4.50 4.60 THICK WALL 5.90 6.60 8.10 9.40 9.70 9.60 1.60 0.80 1.8 1.50 0.60 0.600.60 0.600.60 0.70 0.70 0.80 0.80 0.80 8 8 1.30 1.30 1.40 1.50 1.50 1.60 Thickness Insulation E OL 0.48 0.48 0.48 1.28 1.28 0.48 0.48 0.560.56 <u>15</u> 0.62 <u>15</u> 9.0 0.80 0.80 0.88 0.88 2 20. 귤 1.20 1.20 1.20 2.10 2.40 2.80 3.8 4.20 4.30 무. 1.60 95. 3.40 3.70 1 ŀ ì 1 ŀ ŧ ł Diameter Œ. 1.70 2.20 2.50 2.70 3.10 3.40 3.90 4.00 1.20 1.48 1.90 THIN WALL 1 ŧ i 1 i 1 <u>E</u> 0.30 0.30 0.35 0.350.40 0.40 0.28 0.30 97 0.40 Thickness i 1 1 Insulation 1 E O Ē 0.28 0.32 0.32 0.32 0.32 0.20 0.28 0.20 0.22 0.24 0.24 0.241 i i 1 i i 1 i 2.10 (mm) 1.40 1.60 1.75 2.40 2.70 1.20 1 ł 1 ł ł ł i ŀ 1 Diameter Outside **ULTRATHIN WALL** Ê 0.95 1.45 1.55 96 2.20 2.50 1.30 ŀ i 1 i 1 l l 1 (E 0.20 0.20 0.20 0.20 0.20 0.25 0.25 0.20 Thickness ł 1 nsulation E 0 Ē 0.160.16 0.160.160.16 0.20 0.20 I ł I 1 i I 1 I ŀ 1 CONDUCTOR 10.50 11.60 12.50 14.80 16.50 3.10 0.70 1.15 1.30 55 8. 2.00 2.20 2.40 2.80 3.40 4.30 4.50 5.40 6.30 7.60 8.30 9.00 E 0.30 6.90 9.60 8 1936/0.26 320/0.16 105/0.16 140/0.16 160/0.16 224/0.16 2450/0.26 TYPE C Flexible 19/0.13 19/0.16 54/0.16 79/0.16 1070/0.21 38/0.14 240,021 320/0.21 900/0.21 380/0.21 512/0.21 790/0.21 CONDUCTOR CONSTRUCTION Asymmetrical TYPE B 196/0.41 224/0.41 276/0.41 308/0.41 396/0.41 296/0.41 360/0.51 475/0.51 30/0.26 50/0.26 65/0.33 126/0.41 152/0.41 5 12/0/21 16/0.21 24/0.21 32/0.21 28/0.31 44/0.31 56/0.31 84/0.31 62/0.41 80/0.41 96/0.41 (E .809 Symmetrical 1140/0.30 836/0.40 1064/.040 154/0.33 105/0.46 247/0.33 154/0.46 361/0.33 551/0.30 494/0.33 798/0.33 741/0.33 IYPE A 19/0.19 19/0.24 19/.033 19/0.38 37/0.29 37/0.34 37/0.38 37/0.43 37/0.45 98/0.33 63/0.46 19/0.27 7/0.21 7/0.27 Cond. Size 2.00 2.50 3.00 8 10.00 12.00 16.00 20.00 25.00 30.00 35.00 40.00 95.00 0.35 0.75 1.00 1.50 5.00 6.00 8.00 0.22 0.5 2



