

Communication and Control

300 V Unshielded, Flat Cable, 0.050 (1.27 mm) Centerline



| 28 AWG (0.09 mm ²) | | | | | | | |
|--|-------------------------|------------|-----------|-------|----------|-------|--|
| Stranding: 7/36 (7 x 0.13 mm) Insulation thickness: 0.010 (0.25 mm) | | | | | | | |
| Part No. | | Conductors | Width (W) | | Span (S) | | |
| Slate (AWM 2651) | Color Coded (AWM 20932) | | Inch | mm | Inch | mm | |
| 3580/9 | 3583/9 | 9 | 0.45 | 11.43 | 0.40 | 10.16 | |
| 3580/10 | 3583/10 | 10 | 0.50 | 12.70 | 0.45 | 11.43 | |
| 3580/14 | 3583/14 | 14 | 0.70 | 17.78 | 0.65 | 16.51 | |
| 3580/15 | 3583/15 | 15 | 0.75 | 19.05 | 0.70 | 17.78 | |
| 3580/16 | 3583/16 | 16 | 0.80 | 20.32 | 0.75 | 19.05 | |
| 3580/20 | 3583/20 | 20 | 1.00 | 25.40 | 0.95 | 24.13 | |
| 3580/24 | 3583/24 | 24 | 1.20 | 30.48 | 1.15 | 29.21 | |
| 3580/25 | 3583/25 | 25 | 1.25 | 31.75 | 1.20 | 30.48 | |
| 3580/26 | 3583/26 | 26 | 1.30 | 33.02 | 1.25 | 31.75 | |
| 3580/34 | 3583/34 | 34 | 1.70 | 43.18 | 1.65 | 41.91 | |
| 3580/37 | 3583/37 | 37 | 1.85 | 46.99 | 1.80 | 45.72 | |
| 3580/40 | 3583/40 | 40 | 2.00 | 50.80 | 1.95 | 49.53 | |
| 3580/50 | 3583/50 | 50 | 2.50 | 63.50 | 2.45 | 62.23 | |
| 3580/60 | 3583/60 | 60 | 3.00 | 76.20 | 2.95 | 74.93 | |
| 3580/64 | 3583/64 | 64 | 3.20 | 81.28 | 3.15 | 80.01 | |

UL AWM 2651, 20932 VW-1

Operating Temperature

- 20°C to +105°C

Materials

- Stranded tinned copper conductors
- Extruded PVC insulation (slate cable)
- Thermally bonded PVC with clear PVC covering (color-coded cable)

Color

- AWM 2651: slate cable, with red polarity stripe on leading edge
- AWM 20932: color-coded cable: brown, red, orange, yellow, green, blue, violet, slate, white, black . . . repeats

Electrical Characteristics

- Capacitance: 14 pF/ft (45.9 pF/m) nom. at 1 MHz
- Propagation delay: 1.4 ns/ft (4.6 ns/m) @ 0.18 ns risetime
- Impedance: 105 ohms (G-S-G configuration)
- Near-end crosstalk: 3.2%
- Far-end crosstalk: 11.5%
- Crosstalk measured on adjacent lines, 1 ns risetime, 10 ft (3.05 m) length

Availability

100 ft (30.5 m)

May contain multiple lengths

