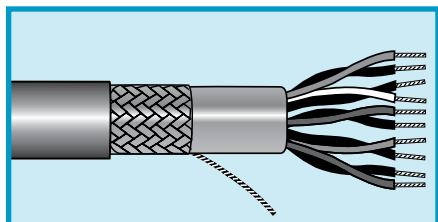


Communication and Control

300 V Overall Foil/Braid Shield, Multipair, PE, PVC Low Capacitance Data Cable



UL AWM 2919 VW-1
UL CM
CSA CM FT1

Operating Temperature

- -20°C to +80°C (AWM)
- -20°C to +75°C (CM)

Conductor Color Coding

- Chart M (page 530)

Materials

- Stranded tinned copper conductors
- Polyethylene insulation
- Foil + braid shielding
Aluminum/polyester foil shield,
25% overlap min.
Foil facing outward
Stranded tinned copper drain
wire equal in size to conductor
Tinned copper braid, 65% or
90% coverage
- Slate PVC jacket

Availability

100 ft (30.5 m)
500 ft (152 m)
1000 ft (305 m)

24 AWG (0.23 mm²)

Stranding: 7/32 (7 x 0.20 mm)
Insulation thickness: 0.016 (0.41 mm)
65% braid coverage

| Part No. | Pairs | Nominal Diameter | | Jacket Thickness | |
|-------------|-------|------------------|-------|------------------|------|
| | | Inch | mm | Inch | mm |
| 6401 | 2 | 0.280 | 7.11 | 0.035 | 0.89 |
| 6402 | 3 | 0.294 | 7.47 | 0.035 | 0.89 |
| 6403 | 4 | 0.318 | 8.08 | 0.035 | 0.89 |
| 6404 | 5 | 0.345 | 8.76 | 0.035 | 0.89 |
| 6405 | 6 | 0.373 | 9.47 | 0.035 | 0.89 |
| 6406 | 7 | 0.373 | 9.47 | 0.035 | 0.89 |
| 6407 | 9 | 0.430 | 10.92 | 0.035 | 0.89 |
| 6408 | 10 | 0.463 | 11.76 | 0.035 | 0.89 |
| 6409 | 12 | 0.478 | 12.14 | 0.035 | 0.89 |
| 6410 | 18 | 0.580 | 14.73 | 0.047 | 1.19 |
| 6411 | 25 | 0.671 | 17.04 | 0.047 | 1.19 |

Characteristic impedance: 100 ohms
Mutual capacitance: 15.5 pF/ft (50.9 pF/m)
Ground capacitance: 27.5 pF/ft (90.2 pF/m)

24 AWG (0.23 mm²)

Stranding: 7/32 (7 x 0.20 mm)
Insulation thickness: 0.016 (0.41 mm)
90% braid coverage

| Part No. | Pairs | Nominal Diameter | | Jacket Thickness | |
|-------------|-------|------------------|------|------------------|------|
| | | Inch | mm | Inch | mm |
| 6412 | 1 | 0.208 | 5.28 | 0.035 | 0.89 |
| 6413 | 2 | 0.280 | 7.11 | 0.035 | 0.89 |
| 6414 | 3 | 0.294 | 7.47 | 0.035 | 0.89 |
| 6415 | 4 | 0.318 | 8.08 | 0.035 | 0.89 |

Characteristic impedance: 120 ohms
Mutual capacitance: 12.8 pF/ft (42 pF/m)
Ground capacitance: 23 pF/ft (75.5 pF/m)

