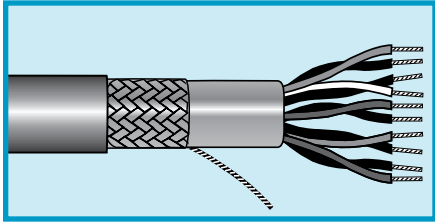


# Communication and Control

## 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 mm<sup>2</sup>)

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
<b>6401</b>	2	0.280	7.11	0.035	0.89
<b>6402</b>	3	0.294	7.47	0.035	0.89
<b>6403</b>	4	0.318	8.08	0.035	0.89
<b>6404</b>	5	0.345	8.76	0.035	0.89
<b>6405</b>	6	0.373	9.47	0.035	0.89
<b>6406</b>	7	0.373	9.47	0.035	0.89
<b>6407</b>	9	0.430	10.92	0.035	0.89
<b>6408</b>	10	0.463	11.76	0.035	0.89
<b>6409</b>	12	0.478	12.14	0.035	0.89
<b>6410</b>	18	0.580	14.73	0.047	1.19
<b>6411</b>	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 mm<sup>2</sup>)

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
<b>6412</b>	1	0.208	5.28	0.035	0.89
<b>6413</b>	2	0.280	7.11	0.035	0.89
<b>6414</b>	3	0.294	7.47	0.035	0.89
<b>6415</b>	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)

