

# Communication and Control

## 300 V Overall Foil Shield, Multipair, FPP, PVC Low Capacitance Data Cable



**UL AWM 2919 (30 V) VW-1  
UL CM  
CSA CMG FT4**

### Operating Temperature

- -20°C to +80°C (AWM)
- -20°C to +75°C (CM)
- -20°C to +60°C (CMG)

### Conductor Color Coding

- Chart A (page 528)

### Materials

- Stranded tinned copper conductors
- Foam polypropylene insulation
- Aluminum/polyester foil shield, 25% overlap min.  
Foil facing outward
- Stranded tinned copper drain wire equal in size to conductor
- Slate PVC jacket

### Availability

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

### 24 AWG (0.22 mm<sup>2</sup>)

Stranding: 7/32 (7 x 0.20 mm)  
Insulation thickness: 0.016 (0.41 mm)

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
<b>6202C</b>	2	0.258	6.55	0.035	0.89
<b>6203C</b>	3	0.272	6.91	0.035	0.89
<b>6204C</b>	4.5*	0.304	7.72	0.035	0.89
<b>6205C</b>	5	0.323	8.20	0.035	0.89
<b>6206C</b>	6	0.351	8.92	0.035	0.89
<b>6207C</b>	7	0.351	8.92	0.035	0.89
<b>6208C</b>	8	0.379	9.63	0.035	0.89
<b>6209C</b>	9	0.408	10.36	0.035	0.89
<b>6210C</b>	10	0.441	11.20	0.035	0.89
<b>6210/12C</b>	12.5*	0.455	11.56	0.035	0.89
<b>6210/15C</b>	15	0.496	12.60	0.035	0.89
<b>6210/18C</b>	18.5*	0.554	14.07	0.050	1.27
<b>6210/25C</b>	25	0.655	16.64	0.050	1.27

\*Single conductor colors: 4.5 = black, 12.5 = red, 18.5 = white

Characteristic impedance: 105 ohms  
Mutual capacitance: 12.5 pF/ft (41 pF/m)  
Ground capacitance: 22 pF/ft (72 pF/m)

### 22 AWG (0.35 mm<sup>2</sup>)

Stranding: 7/30 (7 x 0.25 mm)  
Insulation thickness: 0.020 (0.51 mm)

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
<b>6212C</b>	2	0.304	7.72	0.035	0.89
<b>6213C</b>	3	0.322	8.18	0.035	0.89
<b>6216C</b>	6	0.420	10.67	0.035	0.89
<b>6217C</b>	7	0.420	10.67	0.035	0.89
<b>6218C</b>	8	0.456	11.58	0.035	0.89
<b>6220C</b>	10	0.563	14.30	0.050	1.27
<b>6220/12C</b>	12.5*	0.580	14.73	0.050	1.27
<b>6220/15C</b>	15	0.631	16.03	0.050	1.27
<b>6220/18C</b>	18.5*	0.667	16.94	0.050	1.27
<b>6220/25C</b>	25	0.793	20.14	0.050	1.27

\*Single conductor colors: 12.5 = red, 18.5 = white

Characteristic impedance: 105 ohms  
Mutual capacitance: 12.5 pF/ft (41 pF/m)  
Ground capacitance: 22 pF/ft (72 pF/m)

