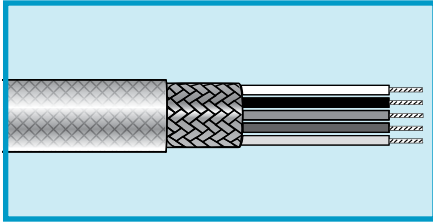


# Communication and Control

## 600 V Multiconductor, TFE, Fiberglass Braid Shield



### MIL-DTL-16878/4 (Type E) NEMA HP3

#### Operating Temperature

- 55°C to +200°C

#### Conductor Color Coding

- Chart G (page 532)

#### Materials

- Stranded silver-plated copper conductors
- TFE insulation
- Silver-plated copper braid shield, 90% coverage
- White PTFE-impregnated fiberglass jacket

#### Availability

100 ft (30.5 m)

1000 ft (305 m)\*

\*May contain multiple lengths

#### 18 AWG (0.96 mm<sup>2</sup>)

Stranding: 19/30 (19 x 0.25 mm)  
Insulation thickness: 0.010 (0.25 mm)

| Part No.      | Conductors | Nominal Diameter |      | Jacket Thickness |      |
|---------------|------------|------------------|------|------------------|------|
|               |            | Inch             | mm   | Inch             | mm   |
| <b>2819</b>   | 1          | 0.125            | 3.18 | 0.012            | 0.30 |
| <b>2819/2</b> | 2          | 0.195            | 4.95 | 0.012            | 0.30 |
| <b>2819/3</b> | 3          | 0.206            | 5.23 | 0.012            | 0.30 |
| <b>2819/4</b> | 4          | 0.224            | 5.69 | 0.012            | 0.30 |
| <b>2819/5</b> | 5          | 0.245            | 6.22 | 0.012            | 0.30 |

#### 16 AWG (1.32 mm<sup>2</sup>)

Stranding: 19/29 (19 x 0.29 mm)  
Insulation thickness: 0.012 (0.30 mm)

| Part No.      | Conductors | Nominal Diameter |      | Jacket Thickness |      |
|---------------|------------|------------------|------|------------------|------|
|               |            | Inch             | mm   | Inch             | mm   |
| <b>2820</b>   | 1          | 0.135            | 3.43 | 0.012            | 0.30 |
| <b>2820/2</b> | 2          | 0.215            | 5.46 | 0.012            | 0.30 |
| <b>2820/3</b> | 3          | 0.228            | 5.79 | 0.012            | 0.30 |
| <b>2820/4</b> | 4          | 0.249            | 6.32 | 0.012            | 0.30 |

#### 14 AWG (1.23 mm<sup>2</sup>)

Stranding: 19/27 (19 x 0.36 mm)  
Insulation thickness: 0.012 (0.30 mm)

| Part No.      | Conductors | Nominal Diameter |      | Jacket Thickness |      |
|---------------|------------|------------------|------|------------------|------|
|               |            | Inch             | mm   | Inch             | mm   |
| <b>2804/2</b> | 1          | 0.245            | 6.22 | 0.012            | 0.30 |
| <b>2804/3</b> | 2          | 0.260            | 6.60 | 0.012            | 0.30 |

#### 12 AWG (3.08 mm<sup>2</sup>)

Stranding: 19/25 (19 x 0.46 mm)  
Insulation thickness: 0.012 (0.30 mm)

| Part No.      | Conductors | Nominal Diameter |      | Jacket Thickness |      |
|---------------|------------|------------------|------|------------------|------|
|               |            | Inch             | mm   | Inch             | mm   |
| <b>2803/2</b> | 2          | 0.283            | 7.19 | 0.012            | 0.30 |