

Standard length spools are in 50 ft. increments. Non-standard lengths are available at an extra charge.

### Duplex - ANSI Type T

ASTM/ANSI Color Code: Negative wire, red; Positive wire, blue; Overall brown, with Tracer where possible.

| CODE          | PART NUMBER | AWG. | CONDUCTOR | INSULATIONS    |                        |         | LIMITS OF ERROR | NOMINAL SIZE (inches) | WEIGHT per 1000 FT. (pounds) |
|---------------|-------------|------|-----------|----------------|------------------------|---------|-----------------|-----------------------|------------------------------|
|               |             |      |           | EACH CONDUCTOR | OUTER JACKET           | OVERALL |                 |                       |                              |
| T20 - 1 - 507 | 14223       | 20   | Solid     | FEP extruded   | FEP extruded           |         | Std.            | 0.072 x 0.124         | 11                           |
| T20 - 3 - 507 | 14229       | 20   | Stranded  | FEP extruded   | FEP extruded           |         | Std.            | 0.080 x 0.137         | 12                           |
| T24 - 1 - 304 | 14236       | 24   | Solid     | Glass braid    | Glass braid            |         | Std.            | 0.047 x 0.081         | 4                            |
| T24 - 2 - 505 | 14241       | 24   | Solid     | Polyvinyl      | None (ripcord constr.) |         | Spl.            | 0.048 x 0.086         | 3                            |
| T24 - 2 - 508 | 14242       | 24   | Solid     | Fused TFE tape | Fused TFE tape         |         | Spl.            | 0.047 x 0.078         | 5                            |
| T24 - 1 - 507 | 14243       | 24   | Stranded  | FEP extruded   | FEP extruded           |         | Std.            | 0.065 x 0.110         | 8                            |
| T24 - 3 - 595 | 14245       | 24   | Stranded  | FEP            | FEP/stainless OB       | FEP     | Std.            | 0.145                 | 17                           |

### Duplex - ANSI Type E

ASTM/ANSI Color Code: Negative wire, red; Positive wire, purple; Overall brown, with Tracer where possible.

| CODE              | PART NUMBER | AWG. | CONDUCTOR | INSULATIONS    |              |                     | LIMITS OF ERROR | NOMINAL SIZE (inches) | WEIGHT per 1000 FT. (pounds) |
|-------------------|-------------|------|-----------|----------------|--------------|---------------------|-----------------|-----------------------|------------------------------|
|                   |             |      |           | EACH CONDUCTOR | OUTER JACKET | OVERALL             |                 |                       |                              |
| E20 - 1 - 304     | 13912       | 20   | Solid     | Glass braid    | Glass braid  |                     | Std.            | 0.059 x 0.097         | 8                            |
| E20 - 1 - S - 304 | 13915       | 20   | Solid     | Glass Braid    | Glass braid  | Stainless Overbraid | Std.            | 0.080 x 0.119         | 17                           |

### Type T Thermocouple and Extension

Wire Conductor Specifications

| WIRE GAUGE | CONDUCTOR DIAMETER |                   | OHMS PER DOUBLE FOOT |                 |
|------------|--------------------|-------------------|----------------------|-----------------|
|            | SOLID (inches)     | STRANDED (inches) | SOLID (ohms)         | STRANDED (ohms) |
| 16         | 0.0508             |                   | 0.118                |                 |
| 20         | 0.0320             | 0.0390            | 0.298                | 0.272           |
| 24         | 0.0201             | 0.0250            | 0.272                |                 |
| 30         | 0.0100             |                   | 3.520                |                 |
| 36         | 0.0050             |                   | 12.174               |                 |

### Type E Thermocouple and Extension

Wire Conductor Specifications

| WIRE GAUGE | CONDUCTOR DIAMETER |                   | OHMS PER DOUBLE FOOT |                 |
|------------|--------------------|-------------------|----------------------|-----------------|
|            | SOLID (inches)     | STRANDED (inches) | SOLID (ohms)         | STRANDED (ohms) |
| 16         |                    | 0.0600            |                      | 0.254           |
| 20         | 0.0320             |                   | 0.704                |                 |

### Type N Thermocouple and Extension

Wire Conductor Specifications

| WIRE GAUGE | CONDUCTOR DIAMETER |                   | OHMS PER DOUBLE FOOT |                 |
|------------|--------------------|-------------------|----------------------|-----------------|
|            | SOLID (inches)     | STRANDED (inches) | SOLID (ohms)         | STRANDED (ohms) |
| 20         | 0.0320             |                   | 0.352                |                 |
| 24         | 0.0201             |                   | 1.980                |                 |