

# Thermocouple Wire

## Duplex Extension Grade



**JX** Extension Grade  
Iron/Constantan  
Duplex  
ANSI Type JX



ANSI Color Code: Positive Wire, White; Negative Wire, Red; Overall, Black

| To Order   |         |              |           |             |             |           |     |                           |                         |
|------------|---------|--------------|-----------|-------------|-------------|-----------|-----|---------------------------|-------------------------|
| Insulation | AWG No. | Model Number | Type Wire | Insulation  |             | Max Temp* |     | Nominal Size mm (inch)    | Wt.kg/300 m† (lb/1000') |
|            |         |              |           | Conductor   | Overall     | °C        | °F  |                           |                         |
| Glass      | 16      | EXGG-J-16    | Solid     | Glass braid | Glass braid | 200       | 392 | 2.2 x 3.3 (0.085 x 0.130) | 9 (18)                  |
| PFA        | 16      | EXTT-J-16    | Solid     | PFA         | PFA         | 200       | 392 | 2.2 x 3.9 (0.086 x 0.152) | 8 (16)                  |
| Neoflon    | 20      | EXTT-J-20    | Solid     | PFA         | PFA         | 200       | 392 | 1.7 x 2.9 (0.068 x 0.116) | 4 (9)                   |
| PFA        | 24      | EXTT-J-24    | Solid     | PFA         | PFA         | 200       | 392 | 1.4 x 2.3 (0.056 x 0.092) | 3 (8)                   |
| Polyvinyl  | 14      | EXPP-J-14    | Solid     | Polyvinyl   | Polyvinyl   | 105       | 221 | 3.4 x 7.3 (0.134 x 0.288) | 13 (29)                 |
|            | 16      | EXPP-J-16    | Solid     | Polyvinyl   | Polyvinyl   | 105       | 221 | 3.1 x 5.3 (0.123 x 0.207) | 10 (22)                 |
|            | 16      | EXPP-J-16S   | 7 x 24    | Polyvinyl   | Polyvinyl   | 105       | 221 | 5.5 x 5.7 (0.139 x 0.226) | 10 (22)                 |
|            | 20      | EXPP-J-20    | Solid     | Polyvinyl   | Polyvinyl   | 105       | 221 | 2.4 x 3.8 (0.095 x 0.151) | 6 (12)                  |
|            | 20      | EXPP-J-20S   | 7 X 28    | Polyvinyl   | Polyvinyl   | 105       | 221 | 3.1 x 4.4 (0.123 x 0.175) | 6 (12)                  |
|            | 24      | EXPP-J-24S   | 7 x 32    | Polyvinyl   | Polyvinyl   | 105       | 221 | 2.1 x 3.4 (0.082 x 0.134) | 4 (9)                   |
| PFA        | 16      | EXFF-J-16    | Solid     | FEP         | FEP         | 200       | 392 | 2.2 x 3.9 (0.086 x 0.152) | 8 (16)                  |
| Neoflon    | 20      | EXFF-J-20    | Solid     | FEP         | FEP         | 200       | 392 | 1.7 x 2.9 (0.068 x 0.116) | 4 (9)                   |
| FEP        | 24      | EXFF-J-24    | Solid     | FEP         | FEP         | 200       | 392 | 1.4 x 2.3 (0.056 x 0.092) | 3 (6)                   |

\* Maximum temperature is for extension-grade wire or insulation, whichever is lower.

† Weight of spool and wire, rounded to the next highest kg/lb (does not include packing material).

To order special limits of error wire, add “-SLE” to model number before spool length.

Ordering Example: EXTT-J-20-25, 25' spool of extension-grade thermocouple wire, Type J, 20 gage, PFA over PFA insulation.

|                       |   |
|-----------------------|---|
| ANSI color code shown | To order IEC color code visit us online |
|-----------------------|---|

**TX** Extension Grade  
Copper/Constantan  
Duplex  
ANSI Type TX



ANSI Color Code: Positive Wire, Blue; Negative Wire, Red; Overall, Blue

| To Order   |         |              |           |            |           |           |     |                           |                          |
|------------|---------|--------------|-----------|------------|-----------|-----------|-----|---------------------------|--------------------------|
| Insulation | AWG No. | Model Number | Type Wire | Insulation |           | Max Temp* |     | Nominal Size mm (inch)    | Wt. kg/300 m† (lb/1000') |
|            |         |              |           | Conductor  | Overall   | °C        | °F  |                           |                          |
| PFA        | 16      | EXTT-T-16    | Solid     | PFA        | PFA       | 100       | 212 | 2.2 x 3.9 (0.086 x 0.152) | 8 (16)                   |
| Neoflon    | 20      | EXTT-T-20    | Solid     | PFA        | PFA       | 100       | 212 | 1.7 x 2.9 (0.068 x 0.116) | 4 (9)                    |
| PFA        | 24      | EXTT-T-24    | Solid     | PFA        | PFA       | 100       | 212 | 1.4 x 2.3 (0.056 x 0.092) | 3 (6)                    |
| Polyvinyl  | 14      | EXPP-T-14    | Solid     | Polyvinyl  | Polyvinyl | 100       | 212 | 3.4 x 7.3 (0.134 x 0.288) | 13 (29)                  |
|            | 16      | EXPP-T-16    | Solid     | Polyvinyl  | Polyvinyl | 100       | 212 | 3.1 x 5.3 (0.123 x 0.207) | 10 (22)                  |
|            | 20      | EXPP-T-20    | Solid     | Polyvinyl  | Polyvinyl | 100       | 212 | 2.4 x 3.8 (0.095 x 0.151) | 6 (12)                   |
|            | 20      | EXPP-T-20S   | 7 x 28    | Polyvinyl  | Polyvinyl | 100       | 212 | 3.1 x 4.4 (0.123 x 0.075) | 6 (12)                   |
|            | 24      | EXPP-T-24    | Solid     | Polyvinyl  | Polyvinyl | 100       | 212 | 2.1 x 3.4 (0.082 x .0134) | 2 (4)                    |
|            | 24      | EXPP-T-24S   | 7 x 32    | Polyvinyl  | Polyvinyl | 100       | 212 | 2.1 x 3.4 (0.082 x .0134) | 4 (9)                    |
| PFA        | 16      | EXFF-T-16    | Solid     | FEP        | FEP       | 100       | 212 | 2.2 x 3.9 (0.086 x 0.152) | 8 (16)                   |
| Neoflon    | 20      | EXFF-T-20    | Solid     | FEP        | FEP       | 100       | 212 | 1.7 x 1.2 (0.068 x 0.116) | 4 (9)                    |
| FEP        | 24      | EXFF-T-24    | Solid     | FEP        | FEP       | 100       | 212 | 1.4 x 2.3 (0.056 x 0.092) | 3 (6)                    |

\* Maximum temperature is for extension-grade wire or insulation, whichever is lower.

† Weight of spool and wire, rounded to next highest kg/lb (does not include packing material). To order special limits of error wire, add “-SLE” to model number before spool length.

Ordering Example: EXTT-T-20-50, 50' spool of extension-grade thermocouple wire, type TX, 20 gage, PFA Neoflon insulation.