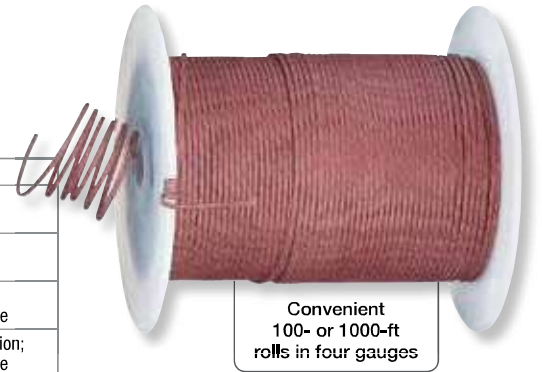




## Digi-Sense® Thermocouple Wire

### Make your own extension cables

Wire comes in 30, 24, 20, or 16 gauge for fabricating your own probes or extension cables (meets ANSI and ASTM standards). Choose from wire with polyvinyl chloride (PVC), fluorinated ethylene propylene resin (FEP/FEP), fiberglass, high-temperature fiberglass, or ceramic fiber outer/inner insulation.



Convenient 100- or 1000-ft rolls in four gauges

| Insulation type (outer/inner) | Temperature range             | Advantages   |
|-------------------------------|-------------------------------|--|
| Polyvinyl                     | -20 to 221°F (-28 to 105°C)   | Good moisture and abrasion resistance  |
| FEP/FEP                       | -328 to 400°F (-200 to 204°C) | Excellent chemical and moisture resistance; very good abrasion resistance                                  |
| Glass braid                   | -100 to 900°F (-73 to 482°C)  | Excellent chemical and flame resistance; fair moisture resistance; good abrasion resistance                |
| High-temp fiberglass braid    | 0 to 1400°F (-18 to 750°C)    | Higher temperatures than regular fiberglass insulation; fair moisture resistance; good abrasion resistance |
| Ceramic fiber braid           | 0 to 2200°F (-18 to 1427°C)   | Intermittent temperatures to 3000°F (1649°C); fair moisture and abrasion resistance                        |

| Wire type | Wire gauge | Wire temp rating (Max) | Inner insulation      | Outer insulation      | Stranded/Solid | Over-braid | Special features              | Catalog number              | Price/rl of 100 ft | Catalog number              | Price /rl of 1000 ft |
|-----------|------------|------------------------|-----------------------|-----------------------|----------------|------------|-------------------------------|-----------------------------|--------------------|-----------------------------|----------------------|
| J         | 20         | 221°F                  | Polyvinyl             | Polyvinyl             | Solid          | No         | —                             | <a href="#">GY-08541-16</a> |                    | <a href="#">GY-08542-15</a> |                      |
| J         | 20         | 400°F                  | FEP                   | FEP                   | Solid          | No         | —                             | <a href="#">GY-08541-17</a> |                    | <a href="#">GY-08542-16</a> |                      |
| J         | 20         | 900°F                  | Glass braid           | Glass braid           | Solid          | No         | —                             | <a href="#">GY-08541-18</a> |                    | <a href="#">GY-08542-17</a> |                      |
| J         | 30         | 400°F                  | FEP                   | FEP                   | Solid          | No         | —                             | <a href="#">GY-08541-00</a> |                    | <a href="#">GY-08542-00</a> |                      |
| J         | 30         | 900°F                  | Glass braid           | Glass braid           | Solid          | No         | —                             | <a href="#">GY-08541-01</a> |                    | <a href="#">GY-08542-01</a> |                      |
| K         | 20         | 1300°F                 | High temp glass braid | High temp glass braid | Solid          | No         | Special limits of error (±4%) | <a href="#">GY-08541-23</a> |                    | <a href="#">GY-08542-22</a> |                      |
| K         | 20         | 2200°F                 | Ceramic fiber braid   | Ceramic fiber braid   | Solid          | No         | —                             | <a href="#">GY-08541-24</a> |                    | <a href="#">GY-08542-23</a> |                      |
| K         | 20         | 221°F                  | Polyvinyl             | Polyvinyl             | Solid          | No         | —                             | <a href="#">GY-08541-20</a> |                    | <a href="#">GY-08542-19</a> |                      |
| K         | 20         | 221°F                  | Polyvinyl             | Polyvinyl             | Solid          | No         | BoPET shield and drain wire   | <a href="#">GY-08541-48</a> |                    | <a href="#">GY-08542-41</a> |                      |
| K         | 20         | 400°F                  | FEP                   | FEP                   | Solid          | No         | —                             | <a href="#">GY-08541-21</a> |                    | <a href="#">GY-08542-20</a> |                      |
| K         | 20         | 900°F                  | Glass braid           | Glass braid           | Solid          | No         | —                             | <a href="#">GY-08541-22</a> |                    | <a href="#">GY-08542-21</a> |                      |
| K         | 24         | 221°F                  | Polyvinyl             | Polyvinyl             | Solid          | No         | —                             | <a href="#">GY-08541-09</a> |                    | <a href="#">GY-08542-09</a> |                      |
| K         | 24         | 400°F                  | FEP                   | FEP                   | Solid          | No         | —                             | <a href="#">GY-08541-10</a> |                    | <a href="#">GY-08542-10</a> |                      |
| K         | 24         | 900°F                  | Glass braid           | Glass braid           | Solid          | No         | —                             | <a href="#">GY-08541-11</a> |                    | <a href="#">GY-08542-11</a> |                      |
| K         | 30         | 400°F                  | FEP                   | FEP                   | Solid          | No         | Special limits of error (±4%) | <a href="#">GY-08541-02</a> |                    | <a href="#">GY-08542-02</a> |                      |
| K         | 30         | 900°F                  | Glass braid           | Glass braid           | Solid          | No         | —                             | <a href="#">GY-08541-03</a> |                    | <a href="#">GY-08542-03</a> |                      |
| T         | 20         | 221°F                  | Polyvinyl             | Polyvinyl             | Solid          | No         | —                             | <a href="#">GY-08541-25</a> |                    | <a href="#">GY-08542-24</a> |                      |
| T         | 24         | 221°F                  | Polyvinyl             | Polyvinyl             | Solid          | No         | —                             | <a href="#">GY-08541-12</a> |                    | <a href="#">GY-08542-12</a> |                      |
| T         | 24         | 221°F                  | Polyvinyl             | Polyvinyl             | Solid          | No         | —                             | <a href="#">GY-08541-45</a> |                    | <a href="#">GY-08542-38</a> |                      |
| T         | 24         | 400°F                  | FEP                   | Glass braid           | Solid          | No         | —                             | <a href="#">GY-08541-13</a> |                    | <a href="#">GY-08542-13</a> |                      |
| T         | 24         | 900°F                  | Glass braid           | Glass braid           | Solid          | No         | —                             | <a href="#">GY-08541-14</a> |                    | <a href="#">GY-08542-14</a> |                      |
| T         | 30         | 400°F                  | FEP                   | FEP                   | Solid          | No         | Special limits of error (±4%) | <a href="#">GY-08541-04</a> |                    | <a href="#">GY-08542-04</a> |                      |
| T         | 30         | 900°F                  | Glass braid           | Glass braid           | Solid          | No         | —                             | <a href="#">GY-08541-05</a> |                    | <a href="#">GY-08542-05</a> |                      |

### 20-Gauge Extension Cables

- PVC/PVC insulation
- Maximum temperature: 221°F (105°C)



A 25-ft cable is available. Contact your local dealer for more information.

| Type | 10-ft length miniconnector cable |       | 50-ft length miniconnector cable |       |
|------|----------------------------------|-------|----------------------------------|-------|
|      | Catalog number                   | Price | Catalog number                   | Price |
| J    | <a href="#">GY-08517-30</a>      |       | <a href="#">GY-08517-50</a>      |       |
| K    | <a href="#">GY-08516-30</a>      |       | <a href="#">GY-08516-50</a>      |       |
| T    | <a href="#">GY-08505-30</a>      |       | <a href="#">GY-08505-50</a>      |       |

### Coiled Extension Cables

Each coiled extension cable is ANSI color-coded with miniconnector on each end. Measure 5 ft (1.5 m) long when fully extended. Maximum temperature: 221°F (105°C).



| Type | Connections                   | Cat. no.                    | Price |
|------|-------------------------------|-----------------------------|-------|
| J    | Male to female (plug to jack) | <a href="#">GY-93785-00</a> |       |
| K    |                               | <a href="#">GY-93785-02</a> |       |
| T    |                               | <a href="#">GY-93785-04</a> |       |
| J    | Male to male (plug to plug)   | <a href="#">GY-93785-10</a> |       |
| K    |                               | <a href="#">GY-93785-12</a> |       |
| T    |                               | <a href="#">GY-93785-14</a> |       |

## Digi-Sense® Thermocouple Connectors



Connectors withstand continuous temperature of 350°F (177°C) and maximum temperature of 400°F (204°C). Feature glass-filled nylon casing with finger grips and polarity indicators; negative terminals are marked with red discs for easy identification. Miniconnectors accept miniature cable clamps and cable up to 20 gauge; standard connectors accept standard cable clamps and cable up to 16 gauge.

| Type | Connection | Color  | Miniconnectors              |                             |                             |                             | Standard connectors         |                             |                             |                             |
|------|------------|--------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
|      |            |        | Pack of 10                  |                             | Pack of 100                 |                             | Pack of 10                  |                             | Pack of 100                 |                             |
|      |            |        | Cat. no.                    | Price                       | Cat. no.                    | Price                       | Cat. no.                    | Price                       | Cat. no.                    | Price                       |
| J    | Plug       | Black  | <a href="#">GY-93840-50</a> |                             | <a href="#">GY-93841-50</a> |                             | <a href="#">GY-93840-60</a> |                             | <a href="#">GY-93841-60</a> |                             |
| J    |            |        | Jack                        | <a href="#">GY-93840-51</a> |                             | <a href="#">GY-93841-51</a> |                             | <a href="#">GY-93840-61</a> |                             | <a href="#">GY-93841-61</a> |
| K    | Plug       | Yellow | <a href="#">GY-93840-52</a> |                             | <a href="#">GY-93841-52</a> |                             | <a href="#">GY-93840-62</a> |                             | <a href="#">GY-93841-62</a> |                             |
| K    |            |        | Jack                        | <a href="#">GY-93840-53</a> |                             | <a href="#">GY-93841-53</a> |                             | <a href="#">GY-93840-63</a> |                             | <a href="#">GY-93841-63</a> |
| T    | Plug       | Blue   | <a href="#">GY-93840-54</a> |                             | <a href="#">GY-93841-54</a> |                             | <a href="#">GY-93840-64</a> |                             | <a href="#">GY-93841-64</a> |                             |
| T    |            |        | Jack                        | <a href="#">GY-93840-55</a> |                             | <a href="#">GY-93841-55</a> |                             | <a href="#">GY-93840-65</a> |                             | <a href="#">GY-93841-65</a> |



Type K miniconnector jack and plug



Type J standard connector plug and jack