

T/C and Extension Wire

Ordering Information

Bare, Insulated Duplex, and Insulated Multi-pair Thermocouple Extension Wire

Following is a list of our standard wire products. Additional wire products are available through special order. Consult Barber-Colman for all your wiring needs.

Model No. W - - - **0 - 0 0**
Field No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Schedule: S4, except

Schedule: S3 for some noble metal wires noted in price table

Field 1. BASE MODEL

W - Wire

Field 2. WIRE TYPE (ANSI DESIGNATION)

Base Metal

J - Iron-Constantan See following table
K - Chromel-Alumel See following table
T - Copper-Constantan See following table
E - Chromel-Constantan See following table

Noble Metal

B - Platinum, 30% Rhodium-Platinum, 6% Rhodium See following table
C - Tungsten, 5% Rhenium-Tungsten, 26% Rhenium See following table
F - Platinel II See following table
R - Platinum, 13% Rhodium-Platinum See following table
S - Platinum, 10% Rhodium-Platinum See following table

Fields 3, 4. AMERICAN WIRE GAUGE

08 - 8 gauge See following table
14 - 14 gauge See following table
16 - 16 gauge See following table
18 - 18 gauge See following table
20 - 20 gauge See following table
22 - 22 gauge See following table

Field 5. WIRE GRADE, CONSTRUCTION, AND LIMITS OF ERROR

1 - T/C grade, solid, standard limits See following table
2 - T/C grade, solid, special limits See following table
3 - T/C grade, stranded, standard limits See following table
4 - T/C grade, stranded, special limits See following table
5 - Extension grade, solid, standard limits See following table
6 - Extension grade, solid, special limits See following table
7 - Extension grade, stranded, standard limits See following table
8 - Extension grade, stranded, special limits See following table

Field 6. STAINLESS STEEL OVERBRAID

1 - No
2 - Yes

T/C and Extension Wire

Ordering Information (continued)

Fields 7 through 9. INSULATION

Bare Wire

000 - None See following table

Insulated Duplex Wire

151 - Felted synthetic fiber larger than 0.010" See following table
 153 - Teflon TFE See following table
 251 - Felted synthetic fiber 0.010" See following table
 301 - Viterous Silica fiber See following table
 302 - Double glass braid See following table
 303 - Enamel/glass braid See following table
 304 - Glass braid See following table
 305 - Double glass wrap See following table
 307 - Teflon coated glass wrap See following table
 309 - High temperature glass braid See following table
 311 - High temperature glass braid See following table
 313 - Glass braid See following table
 314 - High temperature glass braid See following table
 315 - Glass braid See following table
 316 - Glass braid See following table
 350 - Ceramic fiber See following table
 355 - Ceramic fiber See following table
 401 - PVC See following table
 502 - PVC See following table
 503 - PVC See following table
 504 - Nylon See following table
 505 - PVC See following table
 507 - Teflon FEP See following table
 508 - Teflon TFE See following table
 509 - Teflon FEP See following table
 510 - PVC See following table
 512 - Fused Kapton tape See following table
 513 - Fused Kapton tape See following table
 514 - Tefzel See following table
 515 - Tefzel See following table
 591 - Kapton/Kapton tape See following table

Insulated Multi-pair Cable

900 - PVC/Aluminum/Mylar See following page

Field 10. CONDUCTOR ALLOY

Insulated Duplex Wire and Insulated Multi-pair Cable

0 - Not applicable See following table

Bare Wire

1 - Positive leg only (first alloy listed in Wire Type, Field 2) See following table
 2 - Negative leg only (second alloy listed in Wire Type, Field 2) See following table

Fields 11, 12. NUMBER OF CONDUCTORS

Insulated Duplex Wire

00 - One pair See following table

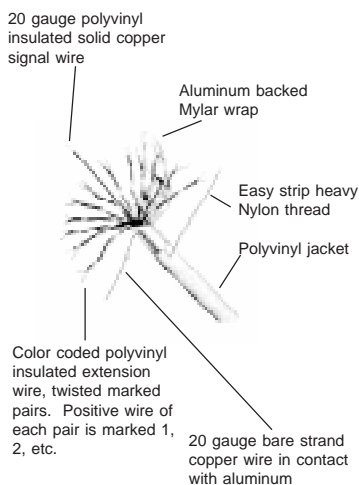
Bare Wire

01 - Single conductor See following table

Insulated Multi-pair Cable

04 - Four pair See following table
 08 - Eight pair See following table
 12 - Twelve pair See following table
 16 - Sixteen pair See following table
 20 - Twenty pair See following table
 24 - Twenty-four pair See following table

Fields 13 through 15. RESERVED



T/C and Extension Wire

Wire Price Table

Base Metal Wire

WE08-11000-101-0-00
WE08-11000-201-0-00
WE14-11000-101-0-00
WE14-11000-201-0-00
WE16-11000-101-0-00
WE16-11000-201-0-00
WE16-71515-000-0-00
WE20-11000-101-0-00
WE20-11000-201-0-00
WE20-11304-000-0-00
WE20-12304-000-0-00
WE20-32591-000-0-00
WE20-51502-000-0-00
WE20-61502-000-0-00

WJ06-11000-101-0-00
WJ06-11000-201-0-00
WJ08-11000-101-0-00
WJ08-11000-201-0-00
WJ14-11000-101-0-00
WJ14-11000-201-0-00
WJ14-51151-000-0-00
WJ14-51502-000-0-00
WJ14-71151-000-0-00
WJ16-11000-101-0-00
WJ16-11000-201-0-00
WJ16-21000-101-0-00
WJ16-21000-201-0-00
WJ16-51151-000-0-00
WJ16-51153-000-0-00
WJ16-51303-000-0-00
WJ16-51401-000-0-00
WJ16-51502-000-0-00
WJ16-51510-000-0-00
WJ16-71151-000-0-00
WJ16-71515-000-0-00

WJ18-31304-000-0-00
WJ18-31513-000-0-00
WJ18-71503-000-0-00

WJ20-11000-101-0-00
WJ20-11000-201-0-00
WJ20-11251-000-0-00
WJ20-11304-000-0-00
WJ20-11305-000-0-00
WJ20-11307-000-0-00
WJ20-11314-000-0-00
WJ20-11504-000-0-00
WJ20-11505-000-0-00
WJ20-11507-000-0-00
WJ20-11508-000-0-00

T/C and Extension Wire

Wire Price Table (continued)

Base Metal Wire

WJ20-11509-000-0-00
WJ20-11513-000-0-00
WJ20-12305-000-0-00
WJ20-21305-000-0-00
WJ20-31302-000-0-00
WJ20-31304-000-0-00
WJ20-31508-000-0-00
WJ20-32302-000-0-00
WJ20-31512-000-0-00
WJ20-51501-000-0-00
WJ20-51502-000-0-00
WJ20-51510-000-0-00
WJ20-51514-000-0-00
WJ20-51900-004-0-00
WJ20-51900-008-0-00
WJ20-51900-012-0-00
WJ20-51900-016-0-00
WJ20-51900-020-0-00
WJ20-51900-024-0-00
WJ20-52502-000-0-00
WJ20-71502-000-0-00
WJ20-71510-000-0-00

WJ24-11304-000-0-00
WJ24-11305-000-0-00
WJ24-11505-000-0-00
WJ24-11508-000-0-00
WJ24-11511-000-0-00
WJ24-12305-000-0-00
WJ24-21305-000-0-00
WJ24-31305-000-0-00
WJ24-31502-000-0-00
WJ24-32305-000-0-00

WJ28-11305-000-0-00

WJ30-11304-000-0-00
WJ30-11305-000-0-00
WJ30-11513-000-0-00

WK06-11000-101-0-00
WK06-11000-201-0-00
WK08-11000-101-0-00
WK08-11000-201-0-00
WK14-11000-101-0-00
WK14-11000-201-0-00
WK14-11309-000-0-00
WK14-21000-101-0-00
WK14-21000-201-0-00
WK14-51151-000-0-00
WK14-51502-000-0-00
WK14-71151-000-0-00

T/C and Extension Wire

Wire Price Table (continued)

Base Metal Wire

WK16-11000-101-0-00
WK16-11000-201-0-00
WK16-11507-000-0-00
WK16-51151-000-0-00
WK16-51153-000-0-00
WK16-51303-000-0-00
WK16-51401-000-0-00
WK16-51502-000-0-00
WK16-51510-000-0-00
WK16-71151-000-0-00
WK16-71515-000-0-00

WK18-11000-101-0-00
WK18-11000-201-0-00
WK18-71503-000-0-00

WK20-11000-101-0-00
WK20-11000-201-0-00
WK20-11251-000-0-00
WK20-11301-000-0-00
WK20-11304-000-0-00
WK20-11305-000-0-00
WK20-11311-000-0-00
WK20-11313-000-0-00
WK20-11314-000-0-00
WK20-11315-000-0-00
WK20-11316-000-0-00
WK20-11321-000-0-00
WK20-11350-000-0-00
WK20-11355-000-0-00
WK20-11507-000-0-00
WK20-11508-000-0-00
WK20-11509-000-0-00
WK20-11511-000-0-00
WK20-11513-000-0-00
WK20-12305-000-0-00
WK20-21000-101-0-00
WK20-21000-201-0-00
WK20-21301-000-0-00
WK20-21304-000-0-00
WK20-21305-000-0-00
WK20-21311-000-0-00
WK20-21314-000-0-00
WK20-21315-000-0-00
WK20-21350-000-0-00
WK20-21507-000-0-00
WK20-31302-000-0-00
WK20-32591-000-0-00
WK20-51502-000-0-00
WK20-51510-000-0-00
WK20-51514-000-0-00
WK20-51900-004-0-00

T/C and Extension Wire

Wire Price Table (continued)

Base Metal Wire

WK20-51900-008-0-00
WK20-51900-012-0-00
WK20-51900-016-0-00
WK20-51900-020-0-00
WK20-51900-024-0-00
WK20-71502-000-0-00
WK20-71510-000-0-00

WK24-11304-000-0-00
WK24-11305-000-0-00
WK24-11505-000-0-00
WK24-11508-000-0-00
WK24-21505-000-0-00

WK26-11305-000-0-00
WK28-11304-000-0-00
WK28-11305-000-0-00
WK30-11305-000-0-00

WN08-11000-101-0-00
WN08-11000-201-0-00
WN16-31302-000-0-00
WN20-11000-101-0-00
WN20-11000-201-0-00
WN20-31302-000-0-00
WN20-31305-000-0-00

WT14-11000-101-0-00
WT14-11000-201-0-00

WT16-51502-000-0-00
WT16-61502-000-0-00
WT16-71515-000-0-00

WT20-11000-101-0-00
WT20-11000-201-0-00
WT20-11304-000-0-00
WT20-11305-000-0-00
WT20-11507-000-0-00
WT20-11508-000-0-00
WT20-12304-000-0-00
WT20-21000-101-0-00
WT20-21000-201-0-00
WT20-21508-000-0-00
WT20-31512-000-0-00
WT20-51502-000-0-00
WT20-51510-000-0-00
WT20-51900-004-0-00
WT20-51900-008-0-00
WT20-51900-012-0-00
WT20-51900-024-0-00
WT20-71502-000-0-00

T/C and Extension Wire

Wire Price Table (continued)

Base Metal Wire

WT24-11304-000-0-00
WT24-11305-000-0-00
WT24-11505-000-0-00
WT24-11508-000-0-00
WT24-11513-000-0-00

WT30-11305-000-0-00

Noble Metal Wire

WB20-51304-000-0-00
WB20-51502-000-0-00

WB24-11000-101-0-00
WB24-11000-201-0-00

WC24-11000-101-0-00
WC24-11000-201-0-00
WC24-51251-000-0-00
WC24-51507-000-0-00

WF24-11000-101-0-00
WF24-11000-201-0-00

WR16-51151-000-0-00
WR16-51153-000-0-00
WR16-71151-000-0-00
WR20-51304-000-0-00
WR20-51501-000-0-00
WR20-51502-000-0-00
WR20-51507-000-0-00

WR24-11000-101-0-00
WR24-11000-201-0-00
WR24-51304-000-0-00
WR26-11000-101-0-00
WR26-11000-201-0-00

WS24-11000-101-0-00
WS24-11000-201-0-00
WS26-11000-101-0-00
WS26-11000-201-0-00

RTD Extension Wire

46-001	16 gauge copper (3 wire); rubber insulation
E26-27	22 gauge nickel clad copper (3 wire); fiberglass insulation
E26-27-100	22 gauge nickel clad copper (3 wire); SS overbraid
E26-26	22 gauge nickel clad copper (2 wire); fiberglass insulation
E26-26-100	22 gauge nickel clad copper (2 wire); SS overbraid