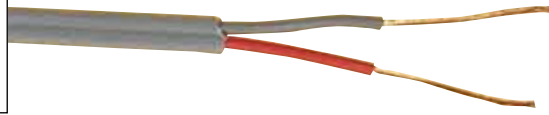


# BC

**Extension Wire  
Copper/Copper  
Duplex  
ANSI Type BC**



Non-Compensating Extension Wires for Platinum 6% Rhodium (-)/Platinum 30% Rhodium (+)  
Thermocouples **ANSI Color Code:** Positive Wire, Gray; Negative Wire, Red; Overall, Gray\*\*

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	20	EXGG-B-20	Solid	Glass braid	Glass braid	100	212	1.5 x 2.4 (0.060 x 0.095)	4 (9)
PFA	26	EXTT-B-26S	7 x 34	PFA	PFA	100	212	1.1 x 1.7 (0.042 x 0.068)	4 (9)
Polyvinyl	24	EXPP-B-24	Solid	Polyvinyl	Polyvinyl	100	212	1.9 x 3.1 (0.075 x 0.120)	2 (5)
	24	EXPP-B-24S	7 x 32	Polyvinyl	Polyvinyl	100	212	2.2 x 3.4 (0.182 x 0.134)	5 (12)
FEP	26	EXFF-B-26S	7 x 34	FEP	FEP	100	212	1.1 x 1.7 (0.042 x 0.068)	2 (5)

\* Per ASTM E230, Special compensating extension wires are not necessary with Type B over the limited temperature range 0° C to 50° C. Non-compensated conductors(copper/copper) will not introduce significant error in this range. For the larger temperature gradient of 0° C to 100° C across the extension portion of the circuit, the use of non-compensated (copper/copper) extension wires may result in small errors, which will not exceed the ASTM E230 tolerances given for measurements above 1000° C.

\*\* Black on EXGG wire.

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

**Ordering Example:** EXGG-B-20-25, 25' spool of extension thermocouple wire, Type BC, 20 gage, stranded, glass insulation.

# CX

**Extension Grade  
W5%Re/W26%Re  
Duplex  
Type CX**



Compensating Extension Wires for W5%Re/W26%Re Thermocouples

**Color Code:** For EXGG Wire, Positive Wire, White/Red Trace; Negative Wire, Red; Overall, White/Red Trace  
For EXXT†† Wire, Positive Wire, White; Negative Wire, White/Red Trace; Overall, White/Red Trace

Insulation	AWG No.	Model Number	Type Wire	Insulation		Max Temp*		Nominal Size: mm (inch)	Wt.† kg/300 m (lb/1000')
				Conductor	Overall	°C	°F		
Nextel Ceramic*	24	EXXC-C-24	Solid	Ceramic	Ceramic	200	392	2.9 x 4.4 (0.115 x 0.175)	5 (12)
	24	EXXT-C-24	Solid	Ceramic	Ceramic	200	392	2.2 x 3.4 (0.088 x .0132)	5 (11)
	24	EXXL-C-24	Solid	Ceramic	Ceramic	200	392	2.0 x 3.0 (0.078 x 0.116)	5 (10)
Glass	24	EXGG-C-24	Solid	Glass braid	Glass braid	200	392	1.3 x 2.0 (0.050 x 0.080)	3 (7)
PFA	24	EXTT-C-24†††	Solid	PFA	PFA	200	392	1.4 x 2.3 (0.056 x 0.092)	3 (6)

††† Note: Brown PFA jacket, white PFA positive leg and red negative leg.

Note: The XC is the standard braid, XT is a tight braid and XL is a light-duty braid; the three types of braid affect only the amount of Nextel used in manufacturing.

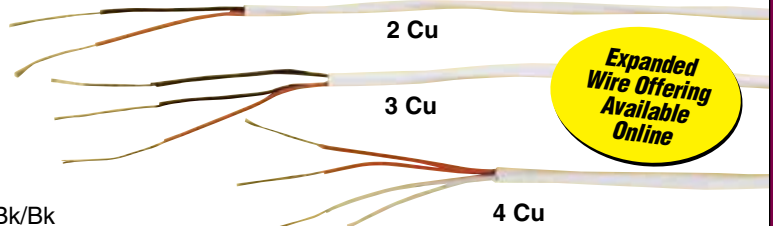
\* Maximum temperature is for extension-grade wire or insulation, whichever is lower.

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

†† Has color tracers on jacket and conductors.

**Ordering Example:** EXGG-C-24-25, 25' spool of extension-grade thermocouple wire, Type CX, 24 gage, stranded, glass insulation.

## Thermistor and RTD Extension Wire



### Nickel-Plated Copper Wire\*\*\*

**Color Code:** 2 Cu—Rd/Bk†††; 3 Cu—Rd/Bk/Bk; 4 Cu—Rd/Rd/Bk/Bk

Insulation	AWG No.	Model Number	# of Con.	Type Wire	Insulation		Max Temp*		Nominal Size: mm (inch)	Wt.† kg/300 m (lb/1000')
					Conductor	Overall	°C	°F		
Glass	20	EXGG-2CU-20	2	Solid	Glass braid	Glass braid	482	900	1.5 x 2.4 (0.060 x 0.095)	4 (9)
	26	EXGG-2CU-26S	2	7 x 34	Glass braid	Glass braid	482	900	1.5 x 1.3 (0.060 x 0.052)	2 (5)
	26	EXGG-3CU-26S	3	7 x 34	Glass braid	Glass braid	482	900	1.5 x 1.6 (0.060 x 0.064)	3 (7)
	26	EXGG-4CU-26S	4	7 x 34	Glass braid	Glass braid	482	900	1.5 x 1.7 (0.060 x 0.066)	4 (9)
Neoflon PFA	26	EXTT-2CU-26S	2	7 x 34	PFA	PFA	260	500	1.1 x 1.7 (0.042 x 0.068)	2 (5)
	26	EXTT-3CU-26S	3	7 x 34	PFA	PFA	260	500	1.8 Ø (0.072 diameter)	4 (9)
	26	EXTT-4CU-26S	4	7 x 34	PFA	PFA	260	500	2.1 Ø (0.082 diameter)	4 (9)
Polyvinyl	24	EXPP-2CU-24S	2	7 x 32	Polyvinyl	Polyvinyl	105	221	2.1 x 3.4 (0.082 x 0.134)	5 (10)
	24	EXPP-3CU-24S	3	7 x 32	Polyvinyl	Polyvinyl	105	221	4.22 Ø (0.166 diameter)	6 (14)

\* 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).

\*\*\* Can be welded. ††† Can also be red/gray.

Ø = diameter.

**Ordering Example:** EXTT-3CU-26S-25, 25' spool of thermistor and RTD extension wire, 24 gage, stranded, polyvinyl insulation.