

CALIBRATION: ANSI Type J

ORDERING CODE		CONDUCTOR SIZE (AWG)	NOMINAL LOOP RESISTANCE (2)
STANDARD	SPECIAL (1)		
W-TEX/TEX-24F-JX	W-TEX/TEX-24F-JJX	24 STRANDED	0.848
W-TEX/TEX-24-JX	W-TEX/TEX-24-JJX	24 SOLID	0.928
W-TEX/TEX-20F-JX	W-TEX/TEX-20F-JJX	20 STRANDED	0.335
W-TEX/TEX-20-JX	W-TEX/TEX-20-JJX	20 SOLID	0.367
W-TEX/TEX-18-JX	W-TEX/TEX-18-JJX	18 SOLID	0.234

CALIBRATION: ANSI Type K

ORDERING CODE		CONDUCTOR SIZE (AWG)	NOMINAL LOOP RESISTANCE (2)
STANDARD	SPECIAL (1)		
W-TEX/TEX-24F-KX	W-TEX/TEX-24F-KKX	24 STRANDED	1.361
W-TEX/TEX-24-KX	W-TEX/TEX-24-KKX	24 SOLID	1.490
W-TEX/TEX-20F-KX	W-TEX/TEX-20F-KKX	20 STRANDED	0.538
W-TEX/TEX-20-KX	W-TEX/TEX-20-KKX	20 SOLID	0.589
W-TEX/TEX-18-KX	W-TEX/TEX-18-KKX	18 SOLID	0.376

CALIBRATION: ANSI Type T

ORDERING CODE		CONDUCTOR SIZE (AWG)	NOMINAL LOOP RESISTANCE (2)
STANDARD	SPECIAL (1)		
W-TEX/TEX-24F-TX	W-TEX/TEX-24F-TTX	24 STRANDED	0.701
W-TEX/TEX-24-TX	W-TEX/TEX-24-TTX	24 SOLID	0.768
W-TEX/TEX-20F-TX	W-TEX/TEX-20F-TTX	20 STRANDED	0.277
W-TEX/TEX-20-TX	W-TEX/TEX-20-TTX	20 SOLID	0.304
W-TEX/TEX-18-TX	W-TEX/TEX-18-TTX	18 SOLID	0.194

CALIBRATION: ANSI Type E

ORDERING CODE		CONDUCTOR SIZE (AWG)	NOMINAL LOOP RESISTANCE (2)
STANDARD	SPECIAL (1)		
W-TEX/TEX-24F-EX	W-TEX/TEX-24F-EEX	24 STRANDED	1.639
W-TEX/TEX-24-EX	W-TEX/TEX-24-EEX	24 SOLID	1.795
W-TEX/TEX-20F-EX	W-TEX/TEX-20F-EEX	20 STRANDED	0.648
W-TEX/TEX-20-EX	W-TEX/TEX-20-EEX	20 SOLID	0.709
W-TEX/TEX-18-EX	W-TEX/TEX-18-EEX	18 SOLID	0.453

CALIBRATION: ANSI Type N

ORDERING CODE		CONDUCTOR SIZE (AWG)	NOMINAL LOOP RESISTANCE (2)
STANDARD	SPECIAL (1)		
W-TEX/TEX-24F-NX	W-TEX/TEX-24F-NNX	24 STRANDED	1.808
W-TEX/TEX-24-NX	W-TEX/TEX-24-NNX	24 SOLID	1.980
W-TEX/TEX-20F-NX	W-TEX/TEX-20F-NNX	20 STRANDED	0.715
W-TEX/TEX-20-NX	W-TEX/TEX-20-NNX	20 SOLID	0.783
W-TEX/TEX-18-NX	W-TEX/TEX-18-NNX	18 SOLID	0.500

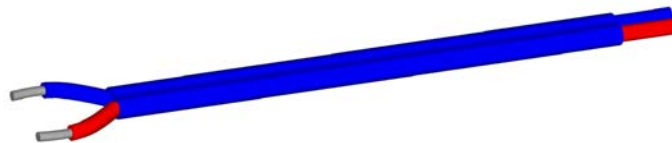
CALIBRATION: ANSI Type SX/RX

ORDERING CODE		CONDUCTOR SIZE (AWG)	NOMINAL LOOP RESISTANCE (2)
STANDARD	SPECIAL (1)		
W-TEX/TEX-24F-SX		24 STRANDED	0.091
W-TEX/TEX-24-SX		24 SOLID	0.100
W-TEX/TEX-20F-SX		20 STRANDED	0.036
W-TEX/TEX-20-SX		20 SOLID	0.040
W-TEX/TEX-18-SX		18 SOLID	0.025

CALIBRATION: ANSI Type BX

ORDERING CODE		CONDUCTOR SIZE (AWG)	NOMINAL LOOP RESISTANCE (2)
STANDARD	SPECIAL (1)		
W-TEX/TEX-24F-BX		24 STRANDED	0.227
W-TEX/TEX-24-BX		24 SOLID	0.248
W-TEX/TEX-20F-BX		20 STRANDED	0.090
W-TEX/TEX-20-BX		20 SOLID	0.098
W-TEX/TEX-18-BX		18 SOLID	0.063

CONDUCTOR SIZE (AWG)	INSULATION THICKNESS	JACKET THICKNESS	NOMINAL DIMENSIONS	APPROX. SHIPPING WT. lbs/1000 Ft. (Kg)
24 STRANDED	.008	.010	.056/.108	9 lbs (4.1 Kg)
24 SOLID	.008	.010	.052/.100	8 lbs (3.6 Kg)
20 STRANDED	.008	.010	.070/.136	14 lbs (6.4 Kg)
20 SOLID	.008	.010	.064/.124	12 lbs (5.4 Kg)
18 SOLID	.008	.010	.072/.140	18 lbs (8.2 Kg)



FEP TEFLON® INSULATED
TYPE W-TEX/TEX (THERMOCOUPLE EXTENSION GRADE)

TEFLON® (FEP) or Equivalent INSULATION

Individual conductors are insulated with extruded FEP Teflon or equivalent Conductors are laid parallel and insulated with extruded FEP Teflon or equivalent jacket.

PERFORMANCE FEATURES

- Excellent low friction resistance, allows easy pulling through conduits
- High flexibility
- Unaffected by most chemicals
- Excellent Electrical Properties

APPLICATIONS

- Petrochemical Plants
- Harsh and Corrosive Environments
- Food and Pharmaceutical

CALIBRATION	COLOR CODE (ANSI)			COLOR CODE (IEC)*		
	POSITIVE	NEGATIVE	OVERALL	POSITIVE	NEGATIVE	OVERALL
TYPE J	WHITE	RED	BLACK	BLACK	WHITE	BLACK
TYPE K	YELLOW	RED	YELLOW	GREEN	WHITE	GREEN
TYPE T	BLUE	RED	BLUE	BROWN	WHITE	BROWN
TYPE E	PURPLE	RED	PURPLE	PURPLE	WHITE	PURPLE
TYPE N	ORANGE	RED	ORANGE	PINK	WHITE	PINK
TYPE SX/RX	BLACK	RED	GREEN	ORANGE	WHITE	ORANGE
BX	GRAY	RED	GRAY	RED	GRAY	GRAY

* Add (-IEC) to the end of the ordering code for IEC color coded insulation and jacketed wire.
Example: W-TEX/TEX-20-J-IEC

INITIAL CALIBRATION TOLERANCES Per ANSI MC96.1 and ASTM E230 (°F)				
TEMPERATURE RANGE	STANDARD		SPECIAL	
	CALIBRATION	TOLERANCE	CALIBRATION	TOLERANCE
32 to 1400°F	TYPE J	±4.0°F or ±.75%*	TYPE JJ	±2.0°F or ±.4%*
32 to 2300°F	TYPE K	±4.0°F or ±.75%*	TYPE KK	±2.0°F or ±.4%*
-320 to 32°F	TYPE T	±1.8°F or ±1.5%**	TYPE TT	±0.9°F or ±.8%**
32 to 700°F		±1.8°F or ±.75%*		±0.9°F or ±.4%*
32 to 1600°F	TYPE E	±3.0°F or ±.50%*	TYPE EE	±1.8°F or ±.5%*
32 to 2300°F	TYPE N	±4.0°F or ±.75%*	TYPE NN	±2.0°F or ±.4%*
32 to 400°F	TYPE SX, RX	±9.0°F***		
32 to 212°F	TYPE BX	±6.7°F****		

- *Whichever is greater
- **Values refer to specially selected cryogenic material. Special limits tolerance is based on limited data, and should only be used as a guide in establishing appropriate working tolerances.
- *** Type S and R thermocouples utilize the same extension wire.
- **** Copper versus copper can be used as extension wire for type B thermocouples if transition temperature is at or below 212°F for a maximum error of 6.7°F. Above 212°F, PCLW30-6 alloy (or equivalent) should be used as the positive extension wire with copper as the negative extension wire. (Note: PCLW30-6 or equivalent can also be used in the 122°F to 212°F temperature range, which will reduce the error to -0/+4°F.)

Notes:

- (1) Meets or exceeds Special Initial Calibration Tolerances per ANSI MC96.1-1982 and ASTM E230-1993.
- (2) Nominal resistance in OHMS per double feet at 68°F (20°C).



SECTION WIRE

FEP TEFLON® INSULATED WIRE

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