
PRODUCT FEATURES:

GUARANTEED ACCURACY FROM 0° TO 1050°C

- ANSI standard calibration from 0°C to 105°C (32°F to 221°F)
- Greater accuracy over longer distances
- Use smaller gauge wire without corresponding signal loss
- Longer runs and small-gauge flexibility reduces installation costs
- Lower cost alloys (copper and nickel/copper) and smaller gauge conductors means up to 50% purchase price savings!
- Equivalent or better performance compared to conventional KX thermocouple wire
- History of proven performance in Europe as VX compensating wire

APPLICATIONS:

- All applications using standard KX extension wire or European VX compensating wire.

AVAILABLE OPTIONS:

- 16 or 20 AWG gauge
- Twisted pair
- Overall shield
- Served wire
- FEP jacket for chemical and abrasion resistance
- Cables up to 50 pairs

PRODUCT SPECIFICATIONS:

CONDUCTORS: Solid or stranded copper and nickel/copper wire

INSULATION: Flame retardant PVC

CONSTRUCTION: Parallel or twisted pair conductors

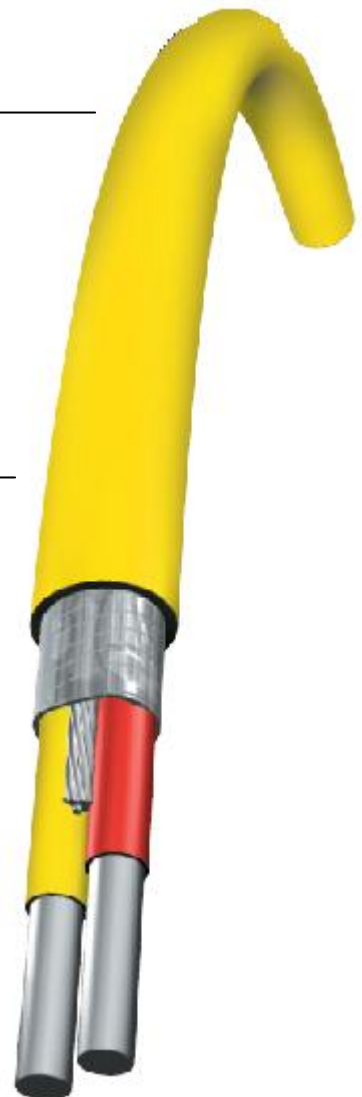
CERTIFICATION: UL PLTC and CSA CIC & TC

JACKET: Flame retardant PVC

OPERATING TEMPERATURE: 32°F (0°C) to 221°F (105°C) Continuous use

LIMITS OF ERROR: Conforms to ASTM E230, IEC 584 and ANSI MC 96.1 for KX wire

COLOR CODE : Conforms to ASTM E230 and ANSI MC 96.1 for KX wire
(International color codes available)





ORDERING CODE

KXTRA SERIES – STANDARD PRODUCTS

Part	# Reference	# Description
FW12298	UP/ALPTW-16-KXtra	1 pair, 16 gauge KXtra, PVC insulation, shield*, PVC jacket
FW12299	UP/ALPTW-20-KXtra	1 pair, 20 gauge KXtra, PVC insulation, shield*, PVC jacket
FW12301	UP/ALPTWK-08-20-KXtra	8 pairs, 20 gauge KXtra, PVC insulation, shield*, PVC jacket
FW12303	UP/ALPTWK-16-20-KXtra	16 pairs, 20 gauge KXtra, PVC insulation, shield*, PVC jacket
FW12304	UP/ALPTWK-24-20-KXtra	24 pairs, 20 gauge KXtra, PVC insulation, shield*, PVC jacket

*.002" Aluminum/polyester tape, 15% overlap, 7-strand tinned copper drain wire, continuous contact.

KXTRA SERIES – CUSTOM ORDER GUIDE

Before ordering specify the following options:

- **Wire size**, AWG or Metric (20 AWG solid wire standard if not specified).
- **PVC or Teflon jacket**.
- **Twisted** or parallel pairs.
- **Shielded** pairs, overall shield or both.
- **Calibration test reports**.

TECHNICAL INFORMATION

Nominal Weights and Dimensions – UL
UL Constructions – Subject 13 PLTC & 2250 ITC

AWG (MM)	#	inches (mm)	inches (mm)	inches (mm)	LB/MFKG/KM
16 (1.29)	1	.016(.40)	.037(.94)	.270(6.9)	47 (70)
20 (0.81)	1	.016(.40)	.037(.94)	.226(5.7)	28 (42)
20 (0.81)	8	.016(.40)	.053(1.35)	.503(12.8)	145 (216)
20 (0.81)	16	.016(.40)	.064(1.63)	.674(17.1)	262 (390)
20 (0.81)	24	.016(.40)	.064(1.63)	.790(20.1)	348 (518)

Nominal Weights and Dimensions – CSA
CSA Constructions – C 22.2 No. 239 CIC & No.230 TC

AWG (MM)	#	inches (mm)	inches (mm)	inches (mm)	LB/MFKG/KM
16 (1.29)	1	.026(.66)	.047(1.19)	.316(8.03)	54 (80)
20 (0.81)	1	.021(.53)	.047(1.19)	.254(6.50)	33 (49)
20 (0.81)	8	.021(.53)	.064(1.63)	.558(14.2)	160 (238)
20 (0.81)	16	.021(.53)	.064(1.63)	.705(17.9)	295 (439)
20 (0.81)	24	.021(.53)	.084(2.16)	.889(22.5)	402 (598)

NOMINAL LOOP RESISTANCE

Nominal loop resistance of KXtra vs. standard type KX wire		
Gauge size (AWG)	KXtra (Ohms/1000 ft)	Standard KX (Ohms/100 ft)
16	96	233
20	244	590

INITIAL CALIBRATION TOLERANCES

Initial calibration tolerances* per ASTM E230 & ANSI MC96.1		
Grade	Temperature	
TC Wire	Range oF (oC)	Tolerance
KXtra	32 (0) - 221 (105)	+ 4.0 (2.2)