

Thermocouple KX Extension Overall Screen 250V Cable



Eland Product Group:

APPLICATION

Thermocouple extension cable is a thermocouple cable which is identified by the letter X (e.g. for type K cable KX). Extension grade wire is only used to extend a thermocouple signal from a probe back to the instrument reading the signal. These cables are used with thermocouples for temperature measurements where hydrocarbon may be present.

CHARACTERISTICS

Voltage Rating
250V

Test Voltage

Dielectric test voltage: 1.0 KVac/1' (core/core)
 Dielectric test voltage: 1.0 KVac/1' (core/screen)

Temperature Rating
-20 to +60°C

Minimum Bending Radius
Flexing: 8 x overall diameter

CONSTRUCTION

Conductor

Positive: NiCr (Nickel Chromium)
 Negative: NiAl (Nickel Aluminium)

Cores

Cores numbered and twisted into pairs, polyester foil tape

Insulation

FR PVC HT (Flame Retardant Polyvinyl Chloride)

Overall Screen

Al/PET (Aluminium/Polyester Tape)

Drain Wire

Tinned copper

Sheath

FR PVC HT (Flame Retardant Polyvinyl Chloride)

Insulation Colour

Positive NiCr: ● Green, numbered
 Negative NiAl: ○ White

Sheath Colour

● Green

STANDARDS

IEC 60584-3, NFC 42-324, NFC 32070 C2, IEC 60332-1-2

Chemical resistance: Aliphatic and aromatic hydrocarbon resistance

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.



DIMENSIONS

ELAND PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE		OVERALL DIAMETER		NOMINAL WEIGHT kg/km
		mm ²	Stranding / OD mm	MINIMUM mm ²	MAXIMUM mm ²	
OG0101P0010GR	1	1	14/0.30	6.3	7.4	70
OG0101P00134GR	1	1.34	1/1.30	6.3	7.4	75
OG0103P00005GR	3	0.5	1/0.8	8.0	9.3	95
OG0107P00005GR	7	0.5	1/0.8	10.5	12.1	165
OG0112P00005GR	12	0.5	1/0.8	13.3	15.3	255
OG0119P00005GR	19	0.5	1/0.8	16.5	19.0	380
OG0127P00005GR	27	0.5	1/0.8	19.2	22.0	510

ELAND
CABLES