

# 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 kV<sub>ac</sub>/1' (core/core)  
Dielectric test voltage: 1.0 kV<sub>ac</sub>/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, NF C 42-324, NFC 32070 C2, IEC 60332-1-2

Chemical resistance: Aliphatic and aromatic hydrocarbon resistance

## THE CABLE LAB<sup>®</sup>

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



## SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: [www.elandcables.com/company/about-us/esg-sustainability](http://www.elandcables.com/company/about-us/esg-sustainability)



## REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/85/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup>.





## DIMENSIONS

ELAND PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE		OVERALL DIAMETER		NOMINAL WEIGHT kg/km
		mm <sup>2</sup>	Stranding / OD mm	MINIMUM mm <sup>2</sup>	MAXIMUM mm <sup>2</sup>	
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