

# Thermocouple EX ICAM Screen Extension 250V Cable



Eland Product Group:

## APPLICATION

Thermocouple extension cable is a thermocouple cable which is identified by the letter X (e.g. for type E cable EX). 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

**Temperature Rating**  
-20 to +60°C

**Minimum Bending Radius**  
Flexing: 8 x overall diameter

## CONSTRUCTION

**Conductor**  
Positive: NiCr (Nickel Chromium)  
Negative: Constantan (Copper-Nickel)

**Cores**  
Cores numbered and twisted into pairs, polyester foil tape

**Insulation**  
FR PVC HT (Flame Retardant Polyvinyl Chloride)

**Individual Screen**  
Al/PET (Aluminium/Polyester Tape) with Tinned Copper Drain Wire

**Individual Sheath**  
PVC (Polyvinyl Chloride)

**Collective Screen**  
Al/PET (Aluminium/Polyester Tape)

**Drain Wire**  
Tinned copper

**Sheath**  
FR PVC HT (Flame Retardant Polyvinyl Chloride)

**Insulation Colour**  
Positive NiCr: ● Violet, numbered  
Negative Constantan: ○ White

**Sheath Colour**  
● Violet

## 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®

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 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.





## DIMENSIONS

ELAND PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE mm <sup>2</sup>	OVERALL DIAMETER		NOMINAL WEIGHT kg/km
			MINIMUM mm	MAXIMUM mm	
OG0203P00005VI	3	0.5 solid	11.1	12.8	180
OG0207P00005VI	7	0.5 solid	15.4	17.7	335
OG0212P00005VI	12	0.5 solid	19.8	22.8	545
OG0219P00005VI	19	0.5 solid	24.6	28.1	825
OG0227P00005VI	27	0.5 solid	28.9	33.2	1135