



# Thermocouple TX ICAM Armoured Extension Cable



## Eland Product Group:

### APPLICATION

Thermocouple extension cable is a thermocouple cable which is identified by the letter X (e.g. for type T cable TX). 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: Cu (Copper)

Negative: Constantan (Copper-Nickel)

#### Cores

Cores numbered and twisted into pairs, polyester foil tape

#### Insulation

FR PVC (Flame Retardant Polyvinyl Chloride)

#### Individual Screen

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

#### Collective Screen

Al/PET (Aluminium/Polyester Tape)

#### Drain Wire

Tinned copper

#### Inner Sheath

PVC (Polyvinyl Chloride)

#### Armour

Double Steel Tape

#### Sheath

FR PVC (Flame Retardant Polyvinyl Chloride)

#### Insulation Colour

Positive Cu ● Orange numbered

Negative Constantan: ○ White

#### Sheath Colour

● Orange

### STANDARDS

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

Chemical resistance: Aliphatic and aromatic hydrocarbons

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



## DIMENSIONS

ELAND PART NUMBER	CONDUCTOR SIZE mm <sup>2</sup>	NUMBER OF PAIRS	NOMINAL MIN OD mm <sup>2</sup>	NOMINAL MAX OD mm <sup>2</sup>	NOMINAL WEIGHT kg/km
OG0403P00005OR	0.5 solid	3	14.6	16.8	370
OG0407P00005OR	0.5 solid	7	19.1	22.0	590
OG0412P00005OR	0.5 solid	12	23.9	27.5	865
OG0419P00005OR	0.5 solid	19	28.8	33.0	1225
OG0427P00005OR	0.5 solid	27	33.2	38.2	1700