



# 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

## 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.



8578



FS 672069



EMS 672067



OHS 672066

## 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™.



KM 634267



## 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