

# Thermocouple TX Overall Screen Armoured 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)

**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®

AN ISO/IEC 17025 AND IECCE 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)



SCIENCE  
BASED  
TARGETS

BUSINESS  
AMBITION FOR 1.5°C



### 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	CONDUCTOR SIZE		NUMBER OF PAIRS	NOMINAL MIN OD mm2	NOMINAL MAX OD mm2	NOMINAL WEIGHT kg/km
	mm2	Stranding x mm				
OG0301P00100R	1	14 x 0.30	1	9.8	11.3	180
OG0301P00134OR	1.34	1 x 1.30	1	9.8	11.3	185
OG0303P00005OR	0.5	1 x 0.8	3	11.4	13.1	225
OG0307P00005OR	0.5	1 x 0.8	7	14.1	16.2	330
OG0312P00005OR	0.5	1 x 0.8	12	17.3	19.8	470
OG0319P00005OR	0.5	1 x 0.8	19	20.6	23.7	650
OG0327P00005OR	0.5	1 x 0.8	27	23.2	26.6	830