

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

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.



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™.





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

