



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

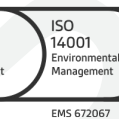
STANDARDS

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

Chemical resistance: aliphatic and aromatic hydrocarbon resistance

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	NUMBER OF PAIRS	CONDUCTOR SIZE mm ²	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