

### Caledonian

## Thermocouple Cables

www.caledonian-cables.com marketing@caledonian-cables.com

#### Multipair Individual/overall Screen with Armor and Lead Sheath

KX IS/OS & armored with lead sheath 2P1





#### **APPLICATIONS**

These cable can be used in cable tray or conduit to connect different types of thermocouple in industrial process controls, refineries, oil and gas plant. Excellent protection against corrosion, humidity and poor vibration resistance.

#### **CABLE CONSTRUCTION**

Conductor: Solid

Type applicable: KX, EX, JX, TX, NX, KCA, KCB, RCA, RCB, SCA, RCB, BC

Insulation: PVC, PE, XLPE or LSZH thermoplastic material

Individual screen: 24 µm aluminium / PETP tape over solid tinned copper drain wire, 0.6 mm

Wrapping: At least 1 layer of plastic tape

Overall screen: 24 µm aluminium / PETP tape over 7-stranded tinned copper drain wire, 0.5 mm²

Bedding: PE, PVC or LSZH thermoplastic material

Lead sheath: Lead alloy

Inner sheath: PVC or LSZH thermoplastic material

Armor: Galvanized round steel wires

Outer sheath: PVC or LSZH thermoplastic material

#### **COLOUR CODE**

According to IEC 60584-3

#### PHYSICAL AND THERMAL PROPERTIES

Flame retardancy: IEC 60332-1

Flame propagation: IEC 60332 cat. C

Temperature range: -30°C up to 70°C during operation. -5°C up to 50°C during installation.

#### **DIMENSION AND PARAMETERS**

No. of	Conductor	Nominal	Nominal	Lead	Nominal	Nominal	Nominal	Nom.	Approx.
Pairs	Size	Insulation	Bedding	Sheath	Inner	Armour	Outer	Overall	Weight
		Thickness	Thickness	Thickness	Sheath	Wire	Sheath	Diameter	
					Thickness	Diameter	Thickness		



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l		mm²	mm	kg/km						
	2	1	0.4	1.1	1.1	0.8	0.9	1.4	18.4	1011