

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 8P1





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 Pairs	Conductor Size		Nominal Bedding	Nominal Inner	Nominal Armour	Nominal Outer	Nom. Overall	Approx. Weight
		Thickness	Thickness	Sheath Thickness		Sheath Thickness		, in the second s



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	mm²	mm	mm	mm	mm	mm	mm	mm	kg/km
8	1	0.4	1.2	1.2	0.8	1.25	1.6	24.6	1848