



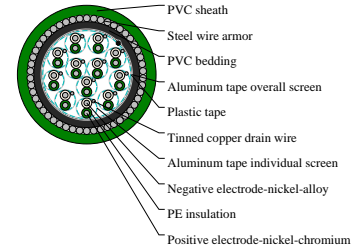
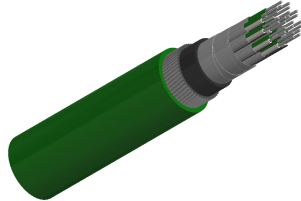
# Caledonian

Thermocouple Cables  
www.caledonian-cables.com

marketing@caledonian-cables.com

## Multipair Individual/Overall Screen with Armor

KX IS/OS & armored 12P1



## APPLICATIONS

These cables are used in thermocouple circuits, petrochemical plants, utilities and industrial plants.

## 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, 0.5mm<sup>2</sup>

Bedding: PE, 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 Insulation Thickness | Nominal Bedding Thickness | Nominal Armour Wire Diameter | Nominal Outer Sheath Thickness | Nom. Overall Diameter | Approx. Weight |
|--------------|-----------------|------------------------------|---------------------------|------------------------------|--------------------------------|-----------------------|----------------|
|              | mm <sup>2</sup> | mm                           | mm                        | mm                           | mm                             | mm                    | kg/km          |
| 12           | 1               | 0.4                          | 1.3                       | 1.25                         | 1.7                            | 24.3                  | 1153           |