

# SINGLE & MULTI-PAIR THERMOCOUPLE EXTENSION, KX, XLPE INSULATION, INDIVIDUAL & OVERALL SCREEN, PVC SHEATH

## APPLICATION

For indoor and outdoor installation in cable trays or in ducts. Not recommended for direct burial

INS-KX XLPE IOS PVC

## CONSTRUCTION

|                     |  |
|---------------------|--|
| CONDUCTOR           | Solid Chromel (Nickel Chromium) (+) paired with Alumel (Nickel Aluminium) (-) alloys in accordance with ANSI MC96-1  |
| INSULATION          | Cross Linked Polyethylene (XLPE)   |
| CORE IDENTIFICATION | Yellow (+) and Red (-) insulated cores; numbered alpha and numerically, at regular intervals   |
| INDIVIDUAL SCREEN   | Aluminium/polyester tape with a 7 strand 0.50mm <sup>2</sup> size tinned annealed copper drain wire. All individual screens are numbered alpha and numerically, at regular intervals. All individual screens are sealed and electrically insulated. Single pair cables do not have an individual screen, overall screen only |
| OVERALL SCREEN      | Aluminium/polyester tape with a 7 strand 0.50mm <sup>2</sup> size tinned annealed copper drain wire  |
| OUTER SHEATH        | Polyvinyl Chloride (PVC). The standard outer sheath colour is yellow as per ANSI MC96.1  |

## PURCHASE CODES, WEIGHTS and DIMENSIONS

| NO. OF PAIRS                       | OVERALL DIAMETER NOM (mm) | MIN BEND RADIUS (mm) | STANDARD DRUM LENGTH (m) | CABLE WEIGHT (kg/km) |
|------------------------------------|---------------------------|----------------------|--------------------------|----------------------|
| <b>16AWG (1/1.29mm) Conductors</b> |                           |                      |                          |                      |
| 1                                  | 6.6                       | 60                   | 1000                     | 56                   |
| <b>20AWG (1/0.81mm) Conductors</b> |                           |                      |                          |                      |
| 2                                  | 8.7                       | 78                   | 1000                     | 85                   |
| 4                                  | 10.7                      | 96                   | 1000                     | 131                  |
| 8                                  | 13.3                      | 120                  | 1000                     | 230                  |
| 12                                 | 16.8                      | 151                  | 1000                     | 325                  |
| 16                                 | 18.6                      | 167                  | 1000                     | 403                  |
| 24                                 | 22.5                      | 203                  | 1000                     | 615                  |

300V / 90°C

