

# SINGLE & MULTI-PAIR THERMOCOUPLE EXTENSION, KX, XLPE INSULATION, INDIVIDUAL & OVERALL SCREENED, PVC BEDDING, STEEL WIRE ARMOUR, PVC OUTER SHEATH

## APPLICATION

For indoor and outdoor installation in cable trays or in ducts. Recommended for direct burial

INS-KX XLPE IOS PVC SWA 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
OVERALL SCREEN	Aluminium/polyester tape with a 7 strand 0.50mm <sup>2</sup> size tinned annealed copper drain wire
BEDDING SHEATH	Polyvinyl Chloride (PVC).The standard bedding sheath colour is yellow
ARMOUR	Single layer of galvanised Steel Wire (SW)
OUTER SHEATH	Polyvinyl Chloride (PVC).The standard outer sheath colour is yellow

## PURCHASE CODES, WEIGHTS and DIMENSIONS

NO. OF PAIRS	BEDDING DIAMETER UNDER SWA (mm)	OVERALL DIAMETER (mm)	MIN BEND RADIUS (mm)	STANDARD DRUM LENGTH (m)	CABLE WEIGHT (kg/km)
<b>16AWG (1/1.29mm) Conductors</b>					
1	6.5	12.0	107	1000	236
<b>20AWG (1/0.80mm) Conductors</b>					
2	9.1	13.1	131	1000	306
4	10.3	14.5	145	1000	380
8	12.9	17.1	171	1000	526
12	16.0	22.6	226	1000	820
16	18.2	23.5	235	1000	987
24	21.7	27.7	277	1000	1411

300V / 90°C

