

# SINGLE & MULTI-PAIR THERMOCOUPLE EXTENSION, KX, XLPE INSULATION, INDIVIDUAL & OVERALL SCREENED, PVC, APL/POLYETHYLENE SHEATH

## APPLICATION

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

INS-KX XLPE IOS PVC APL PE

## CONSTRUCTION

CONDUCTOR	Solid Chromel (Nickel Chromium) (+) paired with Alumel (Nickel Aluminium) (-) alloys in accordance with ANSI MC96-1
INSULATION	Cross Linked Polyethylene (XLPE), (SANS 1411 Part 4 Type A)
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. Note: Single pair cables have an overall screen only
BEDDING SHEATH	Polyvinyl Chloride (PVC) (SANS 1411 Part 2 Type B1).The standard bedding sheath colour is yellow
BARRIER SHEATH	Aluminium Polyethylene Laminated tape (APL)/Polyethylene (SANS 1411 Part7 Type PS1) applied over a 7 strand 0.50mm <sup>2</sup> size tinned annealed copper drain wire. The standard outer sheath colour is yellow

## PURCHASE CODES, WEIGHTS and DIMENSIONS

NO. OF PAIRS	BEDDING DIAMETER UNDER APL (mm)	OVERALL DIAMETER (mm)	MIN BEND RADIUS (mm)	STANDARD DRUM LENGTH (m)	CABLE WEIGHT (kg/km)
<b>16AWG (1/1.29mm) Conductors</b>					
1	6.6	10.3	93	1000	126
<b>20AWG (1/0.80mm) Conductors</b>					
2	8.9	12.4	112	1000	143
4	10.3	13.8	124	1000	196
8	13.9	16.8	151	1000	297
12	16.0	19.9	179	1000	400
16	18.2	22.1	199	1000	510
24	21.7	26.0	234	1000	711

300V / 90°C

