

SINGLE & MULTI-PAIR THERMOCOUPLE EXTENSION, KX, XLPE INSULATION, INDIVIDUAL & OVERALL SCREENED, 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 ² 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 ² 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 ² 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)
16AWG (1/1.29mm) Conductors					
1	6.6	10.3	93	1000	126
20AWG (1/0.80mm) Conductors					
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

