

# 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> 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> sized 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	PRODUCT CODE	BEDDING DIAMETER UNDER SWA (mm)	OVERALL DIAMETER (mm)	MIN BEND RADIUS (mm)	STANDARD DRUM LENGTH (m)	CABLE WEIGHT (kg/km)
16AWG (1/1.29mm) Conductors						
1	X129004	6.5	12.0	107	1000	236
20AWG (1/0.80mm) Conductors						
2	X800065	9.1	13.1	131	1000	306
4	X800074	10.3	14.5	145	1000	380
8	X800075	12.9	17.1	171	1000	526
12	X800067	16.0	22.6	226	1000	820
16	X800076	18.2	23.5	235	1000	987
24	X800066	21.7	27.7	277	1000	1411

300V / 90°C

