

# SINGLE & MULTI-PAIR THERMOCOUPLE EXTENSION, JX, 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-JX XLPE IOS PVC APL PE

## CONSTRUCTION

CONDUCTOR	Solid Iron (+) paired with Constantan (-) alloys in accordance with ANSI MC96-1
INSULATION	Cross Linked Polyethylene (XLPE)
CORE IDENTIFICATION	White (+) 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
BEDDING SHEATH	Polyvinyl Chloride (PVC).The standard bedding sheath colour is black
BARRIER SHEATH	Aluminium Polyethylene Laminated (APL) tape/Polyethylene over a 7 strand 0.50mm <sup>2</sup> size tinned annealed copper drain wire. The standard outer sheath colour is black as per ANSI MC96.1

## 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	129
<b>20AWG (1/0.81mm) Conductors</b>					
2	8.9	12.4	112	1000	148
4	10.3	13.8	124	1000	200
8	12.9	16.8	151	1000	302
12	16.0	19.9	179	1000	408
16	18.2	22.1	199	1000	520
24	21.7	26.0	234	1000	723

300V / 90°C

