

# SINGLE PAIR/MULTI-PAIR & TRIP, XLPE INSULATION, INDIVIDUAL SCREENED, PVC, APL/ POLYETHYLENE SHEATH INTRINSICALLY SAFE IN ACCORDANCE WITH SASOL SP70-25 SPECIFICATION

## APPLICATION

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

XLPE IND AMYLAR PVC APL PE IS

## CONSTRUCTION

CONDUCTOR	Multi-strand plain annealed copper
INSULATION	Cross Linked Polyethylene (XLPE)
CORE IDENTIFICATION	Black and white 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
WRAPPING	Polyester applied over the cable core
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 with 3 blue stripes spaced 120° apart

## 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)
0.5mm <sup>2</sup> (7/0.3) Conductors					
2	9.5	13.0	117	1000	162
4	11.0	15.0	135	1000	240
8	13.4	16.9	152	1000	341
12	16.7	21.0	189	1000	468
16	19.0	23.5	212	1000	780
24	22.6	26.5	239	1000	821

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**1.0mm<sup>2</sup> (14/0.3) Conductors**

2	11.3	15.4	139	1000	198
4	13.2	16.6	149	1000	261
8	17.5	21.0	189	1000	331
12	19.7	23.2	209	1000	441
16	22.3	26.1	235	1000	570
24	26.7	30.4	274	1000	752

**1.5mm<sup>2</sup> (19/0.3) Conductors**

1	7.0	10.8	97	1000	127
2	12.6	16.4	148	1000	260
4	14.9	18.5	167	1000	335
8	18.2	21.9	197	1000	550
12	23.0	27.5	248	1000	780
16	24.6	30.3	273	1000	978
24	30.8	36.0	324	1000	1400

300V / 90°C

