CBi electric Telecom Cables (Pty) Ltd
3 Marthinus Ras Street, Brits, North West
Tel : 012 381 1400
Fax : 012 250 3412

MULTI-PAIR, XLPE INSULATION, INDIVIDUAL & OVERALL SCREENED, LHPVC BEDDING, STEEL WIRE ARMOUR, LHPVC OUTER SHEATH

APPLICATION

For indoor and outdoor installation in cable trays or in ducts. Recommended for direct burial

INS-MINES XLPE IOS LHPVC SWA LHPVC

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 0.50mm² 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 0.50mm² size tinned annealed copper drain wire
BEDDING SHEATH	Low Halogen Polyvinyl Chloride (LHPVC).The standard bedding sheath colour is black
ARMOUR	Single layer of galvanised Steel Wire (SW)
OUTER SHEATH	Low Halogen Polyvinyl Chloride (LHPVC).The standard outer sheath colour is black with a blue stripe to signify reduced halogen emission

PURCHASE CODES, WEIGHTS and DIMENSIONS

NO. OF PAIRS	BEDDING DIAMETER UNDER SWA (mm)	OVERALL DIAMETER (mm)	MIN BEND RADIUS (mm)	STANDARD DRUM LENGTH (m)	CABLE WEIGHT (kg/km)
0.5mm² (7/0.3) Conductors					
2	9.6	13.8	138	1000	336
4	11.0	15.2	152	1000	418
8	14.2	19.5	195	1000	726
12	17.2	22.5	225	1000	887
16	19.4	25.4	254	1000	1244
24	23.4	29.8	298	1000	1614

CBi electric Telecom Cables (Pty) Ltd
3 Marthinus Ras Street, Brits, North West
Tel : 012 381 1400
Fax : 012 250 3412

MULTI-PAIR, XLPE INSULATION, INDIVIDUAL & OVERALL SCREENED, LHPVC BEDDING, STEEL WIRE ARMOUR, LHPVC OUTER SHEATH

INS-MINES XLPE IOS LHPVC SWA LHPVC

PURCHASE CODES, WEIGHTS and DIMENSIONS

NO. OF PAIRS	BEDDING DIAMETER UNDER SWA (mm)	OVERALL DIAMETER (mm)	MIN BEND RADIUS (mm)	STANDARD DRUM LENGTH (m)	CABLE WEIGHT (kg/km)
1.0mm^2 (14/0.3) Conductors					
2	11.0	15.8	158	1000	418
4	12.3	17.3	173	1000	499
8	16.4	22.7	227	1000	855
12	20.6	25.9	259	1000	1307
16	23.0	30.2	302	1000	1880
24	29.7	36.9	369	1000	2205
1.5mm^2 (19/0.3) Conductors					
2	11.9	16.1	161	1000	454
4	13.8	18.4	184	1000	690
8	17.6	22.8	228	1000	999
12	22.3	28.7	287	1000	1863
16	25.2	32.4	324	1000	2047
24	30.5	37.7	377	1000	3220

300V / 90°C