



4 CORE CONDUCTOR

(4 X 95 sq.mm ABC)

STOCK CODE 286070

CHARACTERISTIC	VALUE
NUMBER OF CORES	4
FORM OF CONDUCTORS	STRANDED,CIRCULAR,COMPACTED
NUMBER OF WIRES IN CONDUCTOR	19 +/- 1
DIAMETER OF CONDUCTOR	- MIN. 11.3 mm - MAX. 11.9 mm
CALCULATED MAX DIAMETER OF CIRCUMSCRIBING CIRCLE OVER LAID-UP CORES.	38.4 mm
MAXIMUM A.C.RESISTANCE OF CONDUCTOR IN CABLE AT 80 DEG CENTIGRADE.	0.898 ohms/km
APPROXIMATE MASS OF CABLE	1.35 kg/m
POSITIVE SEQUENCE REACTANCE OF CABLE AT 50 Hz.	0.0853 ohms/km
MAXIMUM CONTINUOUS CURRENT CARRYING CAPACITY PER PHASE.	225 A
MINIMUM BREAKING LOAD (MBL) OF CABLE	53.2 kN
MODULUS OF ELASTICITY OF CONDUCTOR	56 GPa
MINIMUM BENDING RADIUS OF CABLE	345 mm
HIGHEST VALUE FOR MAXIMUM WORKING TENSION (28 % MBL)	14.9 kN
HIGHEST VALUE FOR EVERYDAY TENSION (18% MBL)	9.60 kN
CABLE LENGTH PER DRUM	500 m
XLPE INSULATION GRADE	X-90
XLPE INSULATION COLOUR	BLACK
VOLTAGE RATING	0.6/1 kV
CARBON BLACK CONTENT/PARTICLE SIZE	2 % / ϕ 35 MILLIMICRONS

NOTES

1. CABLE MUST COMPLY WITH AS 3560-1991, AS AMENDED.

1	SUPERSEDED BY S04-1-1-01	K.I.	C.C.	C.C.	AUG'05		DES	N.T. STANDARD				
							DRN	J.A.L.	CONDUCTOR LV - ABC ALUMINIUM 4 X 95 sq.mm XLPE GRADE X-90			
CKD	S.C.M.											
APPD	P.J.D.											
SCALE	N.T.S											
							ISSUED	JUL'95	A3	DRAWING NUMBER	S4-1-1-2	
No.	AMENDMENT	DRAWN	CHKD	APPD	DATE	NORTHERN TERRITORY	ALL DIM. IN	mm				