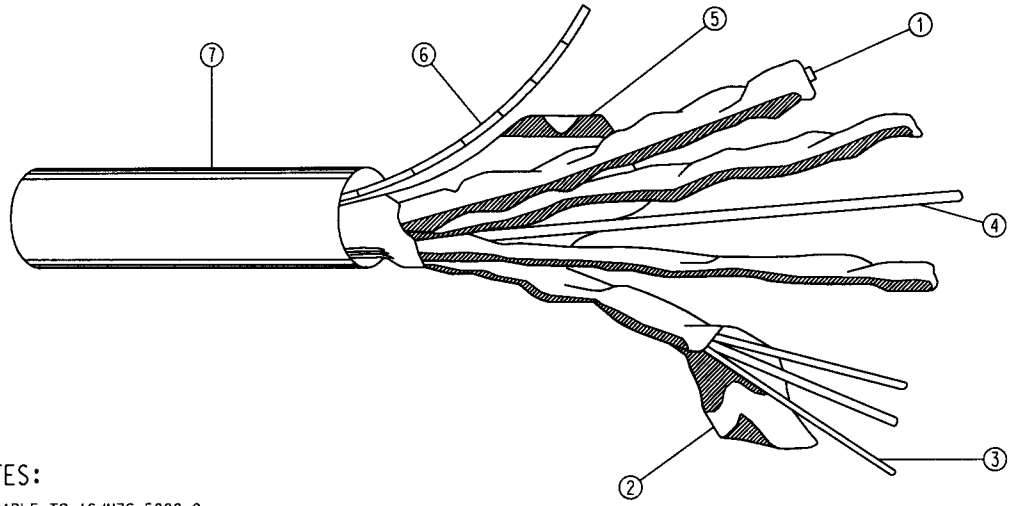

NOTES:

1. CABLE TO AS/NZS 5000.2.

2. THE CABLE SHALL BE PERMANENTLY MARKED WITH MANUFACTURERS IDENTIFICATION, YEAR OF MANUFACTURE & VOLTAGE RATING AT INTERVALS ALONG THE OUTER SHEATH.

3. THE CABLE SHALL ALSO HAVE ITS LENGTH PRINTED AT INTERVALS ALONG THE SHEATH CONSISTING OF CONSECUTIVE NUMBERS NOMINALLY SPACED AT ONE METRE.

4. CABLES SHALL BE WOUND ON DRUM TO ENSURE LEGIBILITY OF INFORMATION IN NOTES 2 & 3.

TAG No.	DESCRIPTION
7	EXTRUDED PVC SHEATH
6	OVERALL SCREEN TINNED COPPER DRAIN WIRE
5	ALUMINIUM MYLAR SCREEN OVER CABLE
4	COMMUNICATION WIRE
3	INDIVIDUAL SCREEN COPPER DRAIN WIRE
2	ALUMINIUM MYLAR SCREEN OVER INDIVIDUAL PAIR
1	TWISTED PAIRS OF INSULATED TINNED COPPER TO AS 1125

	ITEM 1	ITEM 2
STOCK CODE	9126	206961
CONDUCTOR CODE	7/0.3mm	7/0.5mm
MAXIMUM PERMISSABLE PULLING TENSION	160 NEWTONS	0.84 kN
MAXIMUM BENDING RADIUS	109mm	149mm
MINIMUM DRUM LENGTH	100m	100m
MAXIMUM O.D.	11.5mm	14.5mm
NUMBER OF CONDUCTORS	4 PAIRS	4 PAIRS
SHEATH	BLACK 90° PVC THICKNESS 1.1mm	
CABLE SCREEN	100% COVERAGE 0.05 ALUMINIUM MYLAR TAPE SHIELD AND A 22 AWG 7 STRAND TINNED COPPER DRAIN WIRE.	
PAIR SCREEN	7 STRAND TINNED COPPER DRAIN WIRE 7/0.25mm SCREEN TAPE TO BE APPLIED IN SUCH A WAY AS TO GIVE TOTAL SCREEN ISOLATION FROM ALL OTHER PAIR SCREEN.	
LAY OF TWIST	50mm	50mm
GROUP IDENTIFICATION	EACH PAIR NUMBERED	EACH PAIR NUMBERED
COLOUR CODE	BLACK & WHITE	BLACK & WHITE
No. OF CONDUCTORS PER GROUP	2	2
PRIMARY INSULATION	0.40mm NOMINAL V90-HT PVC	
NORMINAL CONDUCTOR AREA	0.5mm^2	1.5mm^2

ELECTRICAL CHARACTERISTICS

DC RATED VOLTAGE	kV	3	3
RATED CURRENT FREE AIR	A	3.2	12
DC RESISTANCE @20°C	Ohms/100m	3.8	1.3
IMPEDANCE ALTERNATOR @1kHz	dB/100m	80	120
CAPACITANCE OF PAIRS	pF/m	145	200

NO	DESCRIPTION	DRN	DATE	CKD	APPD
11	REDRAWN IN CAD CABLE DATA UPDATED NOTES ADDED	K.I.	FEB'05	L.P.	C.C.
10	TABLE ALTERED STOCK CODE ADDED	J.A.L	07/95		
9	REDRAWN ITEM 1 REVISED ITEM 2 REDRAWN ON S2-1-1-21	D.A.	06/88		

AMENDMENTS

PowerWater

DES	B.K.
DRN	K.I.
CKD	C.C.
APPD	C.C.
SCALE	NTS
ISSUED	FEB'05
ALL DIM. IN mm	
DRAFTING STANDARD TO A.S.1100	

POWER STANDARD DRAWING

CABLES
COPPER - SCREENED
4PAIR - 0.5mm^2& 1.5mm^2
INSTRUMENTATION - INDOOR

A3 DRAWING NUMBER S02-1-1-16

11 AMDT

CAD PRODUCT - DO NOT AMEND MANUALLY