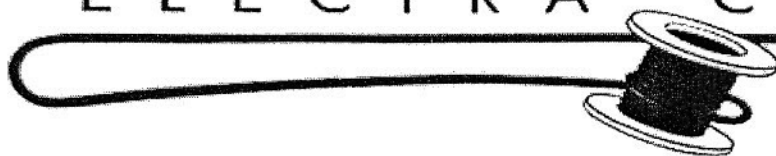


ELECTRA CABLES



(Aust.) Pty. Limited

A.C.N. 056 024 385
A.B.N. 38 056 024 385

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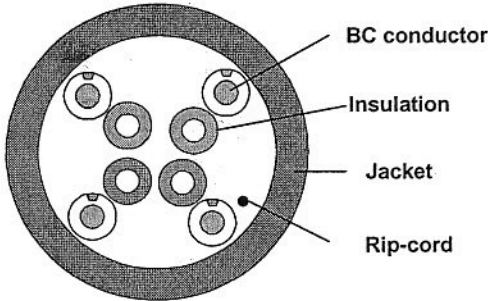
Victoria Branch:

460-464 Hammond Rd.
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Queensland Branch:

39 Westgate St.
Wacol, QLD 4076
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REF : U/UTP ZST 4 pairs cable - category 5e - 100MHz - PE Sheath

Date	Author	Review	Approve	Version	Revision Declaration																																																																																																			
2013-05-02	Caixiaoping	Nidonghua	Wangfuzhu	A0																																																																																																				
Content of the Data Sheet																																																																																																								
Sheath Printing	It will be printed as customer's requirement with batch produce.																																																																																																							
Category	U/UTP ZST CAT5e-4P-PE																																																																																																							
Test Standard	ISO/IEC11801、TIA- 568C.2 YD/T1019																																																																																																							
1. Conductor	Material	SOLID-Bare Copper																																																																																																						
	Nom. O.D. (mm)	0.490	Up	+0.005																																																																																																				
		Down	-0.005																																																																																																					
2. Insulation	Material	HDPE																																																																																																						
	Diameter	0.98±0.03mm																																																																																																						
Color	A.Blue, White-Blue	B.Orange,White-Orange			FLUKE Technical Performance <table><thead><tr><th>Frequency (MHz)</th><th>RL ≥dB</th><th>ATT ≤dB</th><th>NEXT ≥dB</th><th>DELAY ≤ns</th></tr></thead><tbody><tr><td>1</td><td>19.0</td><td>3.0</td><td>60.0</td><td></td></tr><tr><td>4.0</td><td>19.0</td><td>3.9</td><td>54.8</td><td></td></tr><tr><td>8.0</td><td>19.0</td><td>5.5</td><td>50.0</td><td></td></tr><tr><td>10.0</td><td>19.0</td><td>6.2</td><td>48.5</td><td></td></tr><tr><td>16.0</td><td>19.0</td><td>7.9</td><td>45.2</td><td>498</td></tr><tr><td>20.0</td><td>19.0</td><td>8.9</td><td>43.7</td><td></td></tr><tr><td>25.0</td><td>18.0</td><td>10.0</td><td>42.1</td><td></td></tr><tr><td>31.25</td><td>17.1</td><td>11.2</td><td>40.5</td><td></td></tr><tr><td>62.5</td><td>14.1</td><td>16.2</td><td>35.7</td><td></td></tr><tr><td>100</td><td>12.0</td><td>21.0</td><td>32.3</td><td></td></tr></tbody></table> <table><thead><tr><th>Frequency (MHz)</th><th>PSNEXT ≥dB</th><th>ELFEXT ≥dB</th><th>PSELFEXT ≥dB</th></tr></thead><tbody><tr><td>1</td><td>57.0</td><td>58.6</td><td>55.6</td></tr><tr><td>4</td><td>51.8</td><td>46.6</td><td>43.6</td></tr><tr><td>8</td><td>47.0</td><td>40.6</td><td>37.5</td></tr><tr><td>10</td><td>45.5</td><td>38.6</td><td>35.6</td></tr><tr><td>16</td><td>42.2</td><td>34.5</td><td>31.5</td></tr><tr><td>20</td><td>40.7</td><td>32.6</td><td>29.6</td></tr><tr><td>25</td><td>39.1</td><td>30.7</td><td>27.7</td></tr><tr><td>31.25</td><td>37.5</td><td>28.7</td><td>25.7</td></tr><tr><td>62.5</td><td>32.7</td><td>22.7</td><td>19.7</td></tr><tr><td>100</td><td>29.3</td><td>18.6</td><td>15.6</td></tr></tbody></table>	Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns	1	19.0	3.0	60.0		4.0	19.0	3.9	54.8		8.0	19.0	5.5	50.0		10.0	19.0	6.2	48.5		16.0	19.0	7.9	45.2	498	20.0	19.0	8.9	43.7		25.0	18.0	10.0	42.1		31.25	17.1	11.2	40.5		62.5	14.1	16.2	35.7		100	12.0	21.0	32.3		Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	1	57.0	58.6	55.6	4	51.8	46.6	43.6	8	47.0	40.6	37.5	10	45.5	38.6	35.6	16	42.2	34.5	31.5	20	40.7	32.6	29.6	25	39.1	30.7	27.7	31.25	37.5	28.7	25.7	62.5	32.7	22.7	19.7	100	29.3	18.6	15.6
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	C.Green,White-Green	D.Brown, White-Brown																																																																																																						
3. Rip-cord	Yes	Drain wire	No																																																																																																					
4. Sheath	Thickness	0.55±0.05 mm																																																																																																						
	External O.D.	5.5±0.5 mm																																																																																																						
	Surface	Clean,Frap,Satiation																																																																																																						
	Material	LDPE (complies RoHS)																																																																																																						
	Color	Black																																																																																																						
Surface Printing	Letter height	3.0±0.3mm																																																																																																						
	Color	White																																																																																																						
	Print error & Space	≤±0.5%, 1m																																																																																																						
Packing	Carton, pallet																																																																																																							
Carton dimension	38*38*20cm																																																																																																							
Packing length	305±1.5m																																																																																																							
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0																																																																																																					
		Elongation (%)	≥350																																																																																																					
	Aging Period (℃×hrs)		100℃×24h×10d																																																																																																					
	After Aging	Elongation (%)	≥300																																																																																																					
	Cold bend (-20±2℃×4h)		No visible cracks																																																																																																					
Electrical Characteristics (20℃)	1.0-100.0MHz, Characteristic impedance (Ω)		100±15																																																																																																					
	1.0-100.0MHz, Delay Shew 20℃(ns/100m)		≤45																																																																																																					
	DC Resistance 20℃(Ω/100m) max		9.5																																																																																																					
	DC Conductor Resistance Unbalance (%)max		5.0																																																																																																					