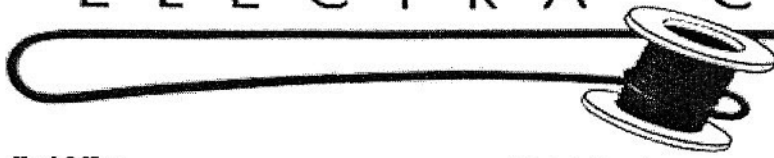


ELECTRA CABLES



(Aust.) Pty. Limited

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

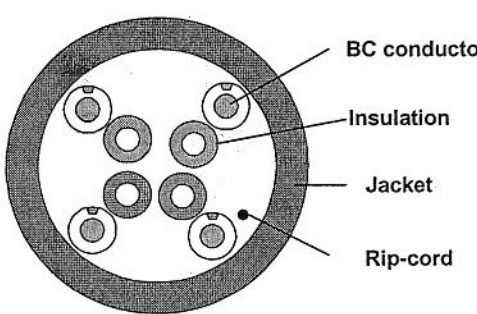
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REF : U/UTP ZST 4 pairs cable - category 5e - 100MHz - PE Sheath

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			
	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 (°C×hrs)	100°C×24h×10d			
	After Aging	Elongation (%)	≥300		
		Cold bend (-20±2°C×4h)	No visible cracks		
Electrical Characteristics (20°C)	1.0-100.0MHz, Characteristic impedance (Ω)	100±15			
	1.0-100.0MHz, Delay Shew 20°C(ns/100m)	≤45			
	DC Resistance 20°C(Ω/100m) max	9.5			
	DC Conductor Resistance Unbalance (%)max	5.0			



BC conductor

Insulation

Jacket

Rip-cord

FLUKE Technical Performance				
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