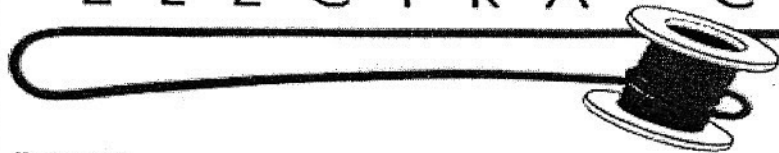


ELECTRA CABLES



(Aust.) Pty. Limited

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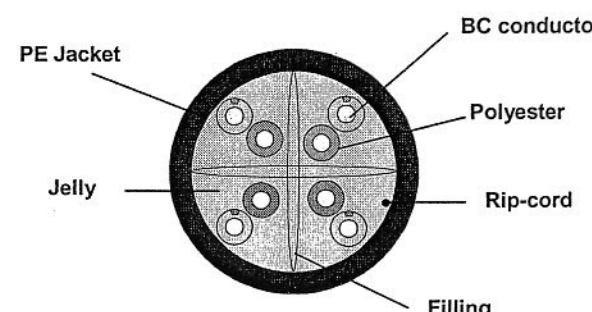
Victoria Branch:

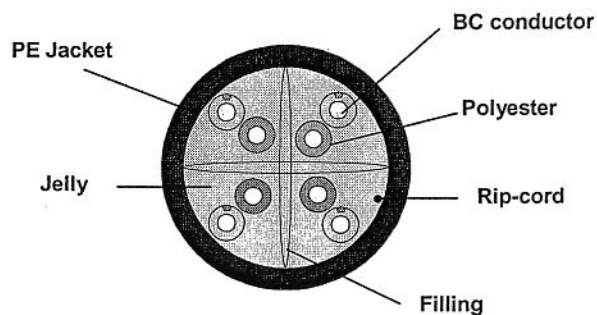
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REF : U/UTP 4 pairs Jelly cable - category 6 - 250MHz – PE Sheath

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 CAT6-4P-PE											
Test Standard	ISO/IEC11801、ANSI/TIA-568-C.2											
Conductor	Material	SOLID-Bare Copper										
	Nom. O.D. (mm)	0565	Up	+0.005								
			Down	-0.005								
Insulation	Material	HDPE										
	Diameter	1.10±0.03mm										
Color	A.Blue, White-Blue	B.Orange,White-Orange		FLUKE Technical Performance Frequency RL ATT NEXT DELAY (MHz) ≥dB ≤dB ≥dB ≤ns								
	C.Green,White-Green	D.Brown, White-Brown										
5. Sheath	Thickness	0.60±0.05 mm		1	19.1	3.0	65.0					
	External O.D.	7.1±0.5 mm		4.0	21.0	3.5	64.1					
	Surface	Clean,Frap,Satiation		8.0	21.0	5.0	59.4					
	Material	LDPE		10.0	21.0	5.5	57.8					
	Color	Black		16.0	20.0	7.0	54.6	498				
Surface Printing	Letter height	3.0±0.3mm		20.0	19.5	7.9	53.1					
	Color	White		25.0	19.0	8.9	51.5					
	Print error & Space	≤±0.5%, 1m		31.25	18.5	10.0	50.0					
Packing	Carton, pallet											
Carton dimension	——											
Packing length	500±2.5m											
Rip-cord	Yes	Drain wire	No									
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥10.0						Frequency PSNEXT			ELFEXT	PSELFEXT	
	Elongation(%) ≥350						(MHz) ≥dB			≥dB	≥dB	
	Aging Period (□×hrs) 100□×24h×10d						1			62.0	64.2	61.2
	After Aging Elongation(%) ≥300						4			61.8	52.1	49.1
	Cold bend(-20±2□×4h) 8×Cable O.D., No visible cracks						8			57.0	46.1	43.1
Electrical Characteristics (20□)	1.0-250.0MHz, Characteristic impedance (Ω) 100±15						10			55.5	44.2	41.2
	1.0-250.0MHz, Delay Shew 20□(ns/100m) ≤45						16			52.2	40.1	37.1
	DC Resistance 20□(Ω/100m) max 9.38						20			50.7	38.2	35.2
	DC Conductor Resistance Unbalance (%)max 5.0						25			49.1	36.2	33.2



FLUKE Technical Performance

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns
1	19.1	3.0	65.0	
4.0	21.0	3.5	64.1	
8.0	21.0	5.0	59.4	
10.0	21.0	5.5	57.8	
16.0	20.0	7.0	54.6	498
20.0	19.5	7.9	53.1	
25.0	19.0	8.9	51.5	
31.25	18.5	10.0	50.0	
62.5	16.0	14.4	45.1	
100	14.0	18.6	41.8	
200	11.0	27.4	36.9	
250	10.0	31.1	35.3	

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	62.0	64.2	61.2
4	61.8	52.1	49.1
8	57.0	46.1	43.1
10	55.5	44.2	41.2
16	52.2	40.1	37.1
20	50.7	38.2	35.2
25	49.1	36.2	33.2
31.25	47.5	34.3	31.3
62.5	42.7	28.3	25.3
100	39.3	24.2	21.2
200	34.3	18.2	15.2
250	32.7	16.2	13.2