			M/S. DELTON CABLES LIMITED			
Technical Data Sheet of Cable			Delton We Connect . We Protect			
POLYTHENE INSULATED ARMOURED JELLY FILLED CABLE						
S.NO.	**TECHNICAL DESCRIPTION**	**Unit**	**DETAILS (0.50 mm)**			
			10P	**20P**	**50P**	**100P**
1	**Make**		Delton Cables Limited			
2	**Place of Manufacture**		Faridabad (India)			
3	**Cable Type**		Armoured Jelly Filled Cables			
4	**Applicable Specifications**		Generally confg. to DOT GR/CUG-01/03 Aug.03			
5	**Number of pairs**		10P	20P	50P	100P
6	**Conductor**					
	a.) Material		Solid Annealed Bare Copper			
	b.) Grade		Electrolytic			
	c.) Nominal Diameter of each strand	No./mm	1/0.50			
	d.) Shape of Conductor		Solid - Circular			
7	**Insulation**					
	a.) Material		Solid polythene confirming to ASTMD-1248 Type-II or III, Class-A Cat. 4 or 5 (cl.4.0 of TEC GR/CUG-01/03 Aug.03)			
	b.) Nominal Thickness of Insulation		Suitable to meet the electrical & other test requirement			
	c.) Method of application		Extruded			
	Nom. Diameter over Insulation		Suitable to meet the electrical & other test requirement			
8	**Colour Scheme for Identification**		As per Table 2 of TEC GR/CUG-01/03 Aug.03			
9	**Twisting Lay of Pairs**		Max. 150 mm			
10	**10/20P colour Scheme with Binder tape**		As per Table 3 of TEC GR/CUG-01/03 Aug.03			
11	**No. of Units**		1 x 10P	1 x 20P	5 Unit x 10P	5 Unit x 20P
12	**Cable Laying**		The required No. of Pairs/Unit are stranded to form a cable core			
13	**Jelly Filling**		The Cable Core thus formed is filled with suitable water resistance compound			
14	**Core Wrapping**		After filling the water resistant compound at least one close Helical/Longitudinal application of Polyster tape is applied			
15	**Screening**					
	Material		Polyal Tape (as per Cl.No. 9.0)			
	Thickness	mm	0.3 +/- 15%			
	Overlap	mm	Min. 3			
16	**Sheath**					
	a.) Material		Solid Polythene (confg. to Type 03C or H 03C of BS-6234) in Black colour			
	b.) Type		Extruded			
	c.) Thickness	mm	Nom. 2.0, Avg. 1.7, Min. 1.5			
	d) Dia over Sheath (Max.)	mm	13.2	17	22	28
	e) Colour		Black			
17	**Bedding Tape**		The close helical lapping of polythene or polypropylene tape shall be provided with min. 5% overlap over sheath			
18	**Armouring**					
	a.) Material		Hot Dip Galvanised Steel tape			
	b) Type		Helical (Double) as per Cl.No. 11.3 of TEC Spec.			
	b.) Thickness of Tape Nom.	mm	0.5			
19	**Jacket**					
	Material		Solid Polythene (confg. to Type 03C or H 03C of BS-6234) in Black colour			
	Type		Electrolytic			
	Thickness (Nom.)	mm	Nom. 1.4, Avg 1.19, Min. 1.05			
	Dia over Jacket (Max.)	mm	20.2	24.0	29.0	36.0
	Colour of Outer Jacket		Black			

20	**Electrical Parameters**			
	Conductor resistance at $20^{O}C$	Ohm/km	86 ± 6	
	Resistance unbalance :			
	Average Max.	%	1	
	Individual Max.	%	2.5	
	Min. I.R. at room temp.	M.ohm/Km	5000	
	Mutual Capacitance in between 800 to 1000 Hz	nF/km	Avg.52 +/- 3, Indv.Max.52 +/- 4.5	
	Cross Talk at 150 KHz	ELFEXT /NEXT	Indv. : Better than 55 db/km	
			RMS : Better than 67.8 db/km	
			Next:Indv. Value between pairs	
			Better than 55 db/km	
	Attenuation at 150KHz at $20^{O}C$	db/km	8.25 dB/km Avg. (Max.)	
	High Voltage Test			
	Core to Core		2.4 KV DC for 3 seconds	
	Core to Shield		5 KV DC for 3 seconds	
21	**Standard Packing Length +/-5% Tolerance**	Mtrs.	1000	500
22	**Cable Marking**		Telephone Handset, Delton Cables Ltd, 0.50 mm x No of pairs, Year of Manufacturing & Drum No ---Sequential Length Marking BY Engraving / Printing with white/yellow-----	

Item above is subject to tolerances as per relevant standards