TECHNICAL - DATA

	ITEM	No.		
Sr #	**Cu/XLPE/PVC/SWA/PVC - BS 5467**	UNIT	**2 x 1.5**	**2 x 2.5**
1	Manufacturer		DUBAI CABLE COMPANY (PVT) LTD.	
2	Country of Origin		U.A.E	
3	Type of Cable		CU/XLPE/PVC/SWA/PVC	
4	Standard		BS 5467	
5	Nominal voltage rating	Volts	600/1000	
6	Max. continuous current carrying capacity when laid			
	In air	Amps	29	39
	In ground	Amps	38	49
	In duct	Amps	31	41
7	**Conductors :**			
	Material		Plain Annealed Copper	
	No. of Cores	No.	2	2
	Nominal cross section	mm²	1.5	2.5
8	**Insulation of conductors :**			
	Material		XLPE	
	Minimum average thickness	mm	0.6	0.7
9	**Bedding :**			
	Material		Extruded PVC	
	Nominal thickness	mm	0.8	0.8
	Approx.diameter over bedding	mm	7.8	9.0
10	**Armouring :**			
	Material		Galvanised steel wire.	
	Armour wire dia.	mm	0.90	0.90
	Approx. diameter over armour	mm	9.5	10.7
11	**Sheath :**			
	Material		Extruded PVC	
	Nominal thickness	mm	1.3	1.4
	Approx. outer diameter of cable.	mm	11.5	12.9
12	Maximum DC Resistance of conductor at 20°C	Ohm/km	12.1	7.41
13	Maximum AC Resistance per core at 90°C(Approx)	Ohm/km	15.4	9.45
14	AC Impedance per phase at 90°C(Approx)	Ohm/km	15.4	9.45
15	Star reactance per phase at 50 Hz(Approx)	Ohm/km	0.1	0.098
16	Maximum Conductor short circuit capacity for one sec :	kA	0.215	0.358
17	Max.conductor operating temperature.	°C	90	
18	Max. Conductor permissible temp under SC conditions.	°C	250	
19	Voltage drop	mv/Amp/mt	31	19
20	Max. allowable tensile strength	Kgf	18	30
21	Minimum allowable bending radius	mm	*6D	*6D
22	Approx. weight of completed cable.	kg/km	275	340
23	Conditions of installations :			
	Soil thermal resistivity	°C m/W	1.2	
	Ground temperature	°C	15	
	Air temperature	°C	30	
	Burial depth	meters	0.5	
	Note : *D = Overall diameter			

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