

**POWER CABLES
DIVISION**

BICC

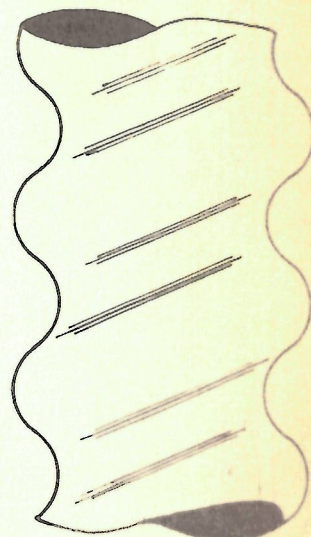
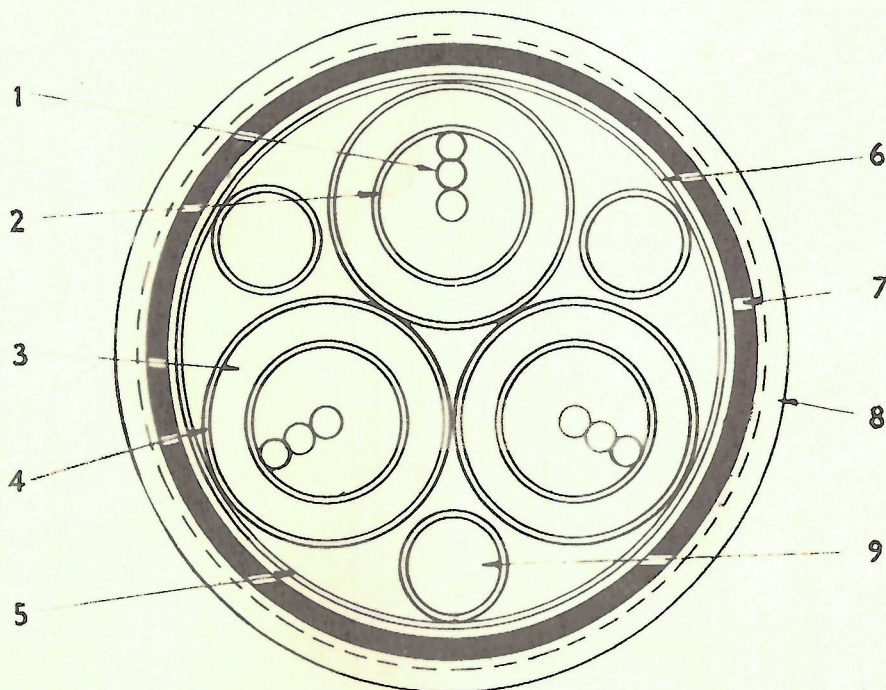
**SYSTEMS DESIGN
DEPARTMENT SAB**

TYPE OF CABLE :— 3 CORE CIRCULAR CONDUCTOR, CORRUGATED SEAMLESS ALUMINIUM SHEATHED AND SERVED

SYSTEM VOLTAGE :— 132 kV

DESIGN STRESS :— 11.5 MV/m

CONDR. SIZE :— 500 sq. mm



CORRUGATION OF ALUMINIUM SHEATH

DIAGRAMMATIC ONLY — NOT TO SCALE

ITEM	DESCRIPTION	DETAILS		MIN. RAD. WALL (mm)	NOMINAL DIAMETER (mm)
1	CONDUCTOR	Aluminium Circular	Compacted	—	27.8
2	SCREEN	H.C.P.		0.25	28.3
3	INSULATION	Paper		8.45	45.8
4	SCREEN	MCP/AL/CP		0.31	46.4
5	LAI D UP CORES	—	—	—	100.3
6	BINDER	CRCT		0.32	100.9
7	SHEATH—TROUGH	Aluminium		2.0	105.9
	RIB HT. LAY.	—	5.2 28.0	—	—
	CREST	—	—	—	116.3
8	SERVING	Extruded PVC		3.6 Min Ave	124.3
9	OIL DUCT		20.00		