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TITLE : PERMISSIBLE CABLE SIZE FOR TEFV CAGE MOTORS

I. FOR STAR DELTA STARTING:-

FRAME	CABLE SIZE IN Sq. mm 2 RUNS	CONDUIT HOLE SIZE IN mm 2 HOLES	TERMINAL STUD SIZE
315	3C x 240	63.5 (2½" BSC)	M16
355	3C x 300	76 (3" BSC)	

II. a) FOR DOL STARTING:- (SINGLE RUN CABLE FOR RATED CURRENT UPTO 275 amps.)

FRAME	CABLE SIZE IN Sq. mm SINGLE RUN	CONDUIT HOLE SIZE IN mm SINGLE HOLE	TERMINAL STUD SIZE
315	3C x 240	63.5 (2½" BSC)	M16
355	3C x 300	76 (3" BSC)	

b) FOR DOL STARTING :- (2 RUNS CABLE FOR RATED CURRENT 275 amps AND ABOVE)

FRAME	CABLE SIZE IN Sq. mm 2 RUNS	CONDUIT HOLE SIZE IN mm 2 HOLES	TERMINAL STUD SIZE
315	3C x 240	63.5 (2½" BSC)	M16
355	3C x 300	76 (3" BSC)	

III) FOR RATING ABOVE 325 KW.

FRAME	CABLE SIZE IN Sq. mm 3 RUNS	CONDUIT HOLE SIZE IN mm 3 HOLES	TERMINAL STUD SIZE
355	3C x 300	76 (3" BSC)	M10 (DOUBLE STUD)

NOTE:

1. THE CABLE SIZE GIVEN ABOVE ARE ALUMINIUM CONDUCTOR, PVC INSULATED, FLAT STRIP ARMoured OVER ALL SHEATHED, 3 CORE CABLE AS PER IS:1554(PART-1)
2. CONDUIT HOLES ARE AS PER IS:1653
3. FOR HIGHER CABLE SIZE REFER ENGINEERING DEPARTMENT.

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