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TITLE : PERMISSIBLE CABLE SIZE FOR SPDP 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)	

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.

2007/04/10

ISSUE
DATE

PREPARED	CHECKED	APPROVED	SHEET NO.	MMD-02-139
SPF	HCR	BVS	1 OF 1	
KIRLOSKAR ELECTRIC COMPANY LTD., BANGALORE – 560 055(INDIA)				

