



# TECHNICAL DATA SHEET

3C X 6.0 Sq. mm. PVC Insulated (Type -A) & PVC Sheathed (ST-1) , Flat cable with Multistrand Flexible Annealed Bare Copper conductor (Class-5) for working voltage up to & including 1100 V as per IS : 694 -2010.

SR. NO.	DESCRIPTION	UNIT	3C X 6.0 SQ.MM.
1.	MAKE		DUSOL
2.	STANDARD APPLICABLE		IS : 694 – 2010.
3.	RATED VOLTAGE	VOLT	1100 V
4.	SUITABLE FOR EARTHED OR UNEARTHED SYSTEM		
	<b>CONSTRUCTIONAL DETAILS</b>		
5.	<b>CONDUCTOR</b>		FLEXIBLE ANNEALED BARE COPPER (CLASS - 5). EC GRADE. AS PER IS : 8130 - 1984.
	NUMBERS OF WIRES AND DIAMETER	NOS./MM	84 X 0.285 (+/- 0.002 mm)
6.	SHAPE SECTOR OF CONDUCTOR		CIRCULAR
7.	<b>INSULATION</b>		<b>AS PER IS: 5831-1984</b>
	A) COMPOSITION OF INSULATION		PVC - TYPE A
	B) NOMINAL THICKNESS OF INSULATION	MM	0.80
	C) APPROX DIAMETER OF INSULATION CORE	MM	4.10
	D) MIN. VOLUME RESISTIVITY AT 27 DEG. C.	OHM-CM	13 1*10 OHM CM MIN.
	E) MIN. VOLUME RESISTIVITY AT 70 DEG. C.	OHM-CM	10 1*10 OHM-CM MIN.
	F) MIN. INSULATION RESISTANCE AT 27 DEG. C.	MOHM-KM	36.7 MOHM-KM MIN.
	G) MIN. INSULATION RESISTANCE AT 70 DEG. C.	MOHM-KM	0.037 MOHM-KM MIN.
	H) COLOUR SCHEME FOR		RED, YELLOW & BLUE