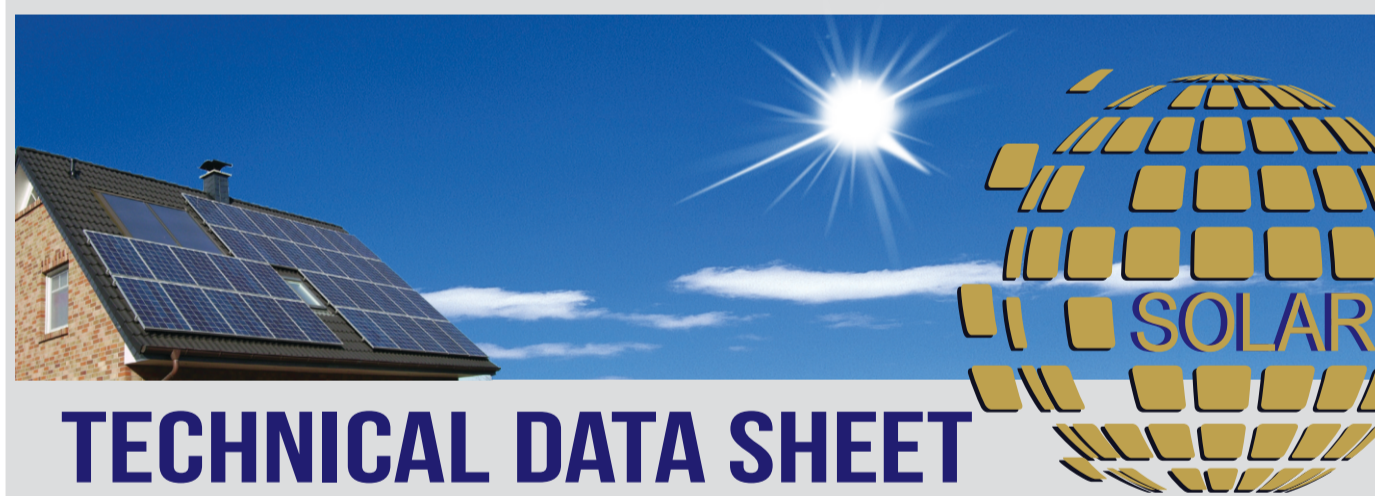


TECHNICAL DATA SHEET

3C X 4.0 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 4.0 SQ.MM.
1.	MAKE		DUSOL
2.	STANDARD APPLICABLE		IS : 694 – 2010.
3.	RATED VOLTAGE	VOLT	1100 V
4.	SUITABLE FOR EARTHED OR UNEARTHED SYSTEM		
CONSTRUCTIONAL DETAILS			
5.	CONDUCTOR		FLEXIBLE ANNEALED BARE COPPER (CLASS - 5). EC GRADE. AS PER IS : 8130 - 1984.
	NUMBERS OF WIRES AND DIAMETER	NOS./MM	56 X 0.285 (+/- 0.002 mm)
6.	SHAPE SECTOR OF CONDUCTOR		CIRCULAR
7.	INSULATION		AS PER IS: 5831-1984
	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



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9.	OUTER SHEATH		AS PER IS: 5831-1984.
	A) MATERIAL		PVC TYPE -ST-1
	B) THICKNESS OF THE OUTER SHEATH (NOM.)	MM	1.00
	C) OUTER SHEATH COLOUR		BLACK
	D) APPROX OVERALL DIA. OF CABLE (+/- 1.00 MM)	MM	15.80 X 7.00
	ELECTRICAL CHARACTERISTICS	OHM/KM MAX.	
10.	A.) MAX. D.C. RESISTANCE AT 20 DEG.C		4.95
11.	MAX. PERMISSIBLE CONDUCTOR TEMPERATURE		
	A) UNDER CONTINUOUS FULL LOAD	DEG.C.	70
	B) UNDER TRANSIENT CONDITION	DEG.C.	160
12.	CURRENT CARRYING CAPACITY		
	MAXIMUM CURRENT RATING	AMPS	29
13.	GENERAL		
	A) STANDARD LENGTH OF CABLE (SUBJECT TO A MANUFACTURE OF +/- 5%)	METER	500 / 1000 MTR WOODEN DRUM

Note :

Computer generated documents no signature is required .As per international practice which is also adopted by Bureau of Indian Standards.The diameter of the conductor shown above in nominal. The Size of the conductor is determined by its resistance. The construction of the conductor is as per market convention and should be treated as a guideline it may vary within the limits of IS : 8130-1984.