

UNIVERSAL CABLES LTD SATNA (M.P.)
TECHNICAL PARTICULARS

Sr. No.	Description	36C x 1.5 mm ²
1	Trade Name	"UNISTAR"
2	Reference Standard	Generally to IS : 9968/1/88
3	Voltage Grade	1100 Volts
4	Conductor	
	a) Material to IS : 8130/84	Annealed Tinned Copper
	b) Nominal Cross sectional Area (mm ²)	1.5
	c) Flexibility Class as per IS : 8130/84	Class-5
	d) Max. DC. Resistance at 20°C (Ohm/Km)	13.7
5	Insulation	
	a) Material to IS : 6380/84	EPR Type IE-2
	b) Nominal Thickness (mm.)	1.00
6	Core Identification	By Number Printing
7	No. of Cores	36
8	Laying Up	Cores laid up together suitably
9	Outer Sheath	
	a) Material to IS : 6380/84	PCP Type SE-4 (Black Colour)
	b) Nominal Thickness (mm.)	3.00
10	Approx. Overall Diameter of Cable (mm.)	32.5
11	Max. Conductor Temperature for continuous operation	90°C
12	Recommended Minimum bending radius	6 x Overall diameter of the cable
13	Continuous current rating in air at ambient temperature 40°C (Amps)	7
14	Derating factor for variation in ambient air temperature	
	a) Temperature	30 35 40 45 50 55
	b) Rating factor	1.12 1.06 1.00 0.94 0.86 0.80
1	Identification and Marking	Manufacturer's Name and/or Trade Name and HR-90 shall be identified throughout the cable length at interval not exceeding one meter either by printed tape in the cable or by printing on the outer sheath.