

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

Sr. No.	Description	4C x 16 mm ²	4C x 25 mm ²	4C x 150 mm ²	4C x 185 mm ²
1	Trade Name	"UNISTAR"	"UNISTAR"	"UNISTAR"	"UNISTAR"
2	Reference Standard	IS : 9968/1/88	IS : 9968/1/88	IS : 9968/1/88	IS : 9968/1/88
3	Voltage Grade	1100 Volts	1100 Volts	1100 Volts	1100 Volts
4	Conductor				
	a) Material to IS : 8130/84	Annealed Tinned Copper	Annealed Tinned Copper	Annealed Tinned Copper	Annealed Tinned Copper
	b) Nominal Cross sectional Area (mm ²)	16	25	150	185
	c) Flexibility Class as per IS : 8130/84	Class-5	Class-5	Class-5	Class-5
	d) Max. DC. Resistance at 20°C (Ohm/Km)	1.24	0.795	0.132	0.108
	e) Melinex Tape Separator over conductor	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
5	Insulation				
	a) Material to IS : 6380/84	EPR Type IE-2	EPR Type IE-2	EPR Type IE-2	EPR Type IE-2
	b) Nominal Thickness (mm.)	1.20	1.40	2.00	2.20
6	No. of Cores	4	4	4	4
7	Core Identification	By Numbered or Coloured Proofed Tape having Colours as Red, Yellow, Blue & Green	By Numbered or Coloured Proofed Tape having Colours as Red, Yellow, Blue & Green	By Numbered or Coloured Proofed Tape having Colours as Red, Yellow, Blue & Green	By Numbered or Coloured Proofed Tape having Colours as Red, Yellow, Blue & Green
8	Laying up	Cores laid up suitably	Cores laid up suitably	Cores laid up suitably	Cores laid up suitably
9	Outer Sheath				
	a) Material to IS : 6380/84	CSP Type SE-4 (Black Colour)	CSP Type SE-4 (Black Colour)	CSP Type SE-4 (Black Colour)	CSP Type SE-4 (Black Colour)
	b) Nominal Thickness (mm.)	2.90	3.40	4.50	4.80
10	Approx. Overall Diameter of Cable (mm.)	26.0	31.5	60.5	66.5
11	Max. Conductor Temperature for continuous operation	90°C	90°C	90°C	90°C

NOTE: 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.

GTP No. R-011