

AERIAL BUNCHED CABLES

Application: Outdoor distribution in Rural or residential areas Offers cost effective safer and reliable cable for reticulation.

Range: LT XLPE, AB cable or PE insulation



Standard:	IS 14255, BS 7870-5, BS 625 HD 626, VDE 00276 P 626, IEC 60502 NF C 33-209
Voltage:	600/1000V
Conductor:	Hard Drawn Aluminium, aluminium alloy or copper

Insulation: Specially formulated for exposure to sunlight and outdoor application. LT XLPE or PE is loaded with carbon black MV cable insulated and screened cores are PVC sheathed

Max Operating Temp: XLPE: Max 90°C
PVC or PE: Max 70°C

Construction: Insulated cores may be bundled together or laid up around high tensile insulated or bare messenger. If a messenger is provided; as the tension is taken by it, phase conductors can operate at maximum allowable conductor temperature.

Minimum Bending Radius: For LV 10 times & MV 15 times cable diameter

Solar Radiation: 1000 W/ sq m



Cables Constructions

Conductor		Electrical Parameters			
Area (Sq. mm)	Strands	Current Rating In Air @ 30°C Amp	Maximum DC Resistance @ 20°C ohm/km	Reactance ohm/km	Approx Breaking Load KN
16	7	87	1.91	0.091	2.84
25	7	107	1.20	0.087	4.17
35	7	132	0.868	0.085	5.78
50	7	165	0.641	0.083	8.45
70	19	205	0.443	0.0789	11.32
95	19	250	0.32	0.075	15.30
120	19	290	0.253	0.073	20.00
150	19	330	0.206	0.072	25.00

Current Rating for max cond temp 80°C wind velocity 1Km/hr



91 Bobbin Stranding Machine