



MINIMUM CLEARANCE OF OVERHEAD ELECTRIC LINES FROM GROUND AND STRUCTURES

CATEGORY	LOCATION DESCRIPTION	PRESCRIBED DISTANCE	L.V. CONDUCTOR			H.V. CONDUCTOR							
			L.V. OVERHEAD SERVICE LINE	L.V. INSULATED (Min/Preferred)	L.V. UNINSULATED (Min/Preferred)	>1000V <=33kV (Min/Preferred)	>33kV <=66kV (Min/Preferred)	>66kV <=132kV	>132kV <=275kV	>275kV <=330kV	>330kV <=500kV		
MINIMUM CLEARANCE FROM GROUND	ROADS	At centre line of carriageway	Vertically	5.5m	5.5m	5.5m/5.8m	6.7m/7.0m	6.7m/7.0m	6.7m	7.5m	8.0m	9.0m	
		At other positions	Vertically	–	5.5m	5.5m/5.8m	5.5m/5.8m	6.7m/7.0m	6.7m	7.5m	8.0m	9.0m	
		At kerb line (bottom of kerb)	Vertically	4.9m	4.9m	–	6.7m	6.7m	–	–	–	–	–
		At fence alignment	Vertically	3.7m	3.7m	–	–	–	–	–	–	–	–
	OTHER	Private driveways and elevated vehicle access	Vertically	4.5m	4.5m	5.5m/5.8m	5.5m/5.8m	6.7m/7.0m	6.7m	7.5m	8.0m	9.0m	
		Areas not normally accessible to vehicles	Vertically	2.7m	2.7m	4.5m/4.8m	4.5m/4.8m	5.5m/5.8m	6.7m	7.5m	8.0m	9.0m	
		Land that, because of the steepness or swampiness of its terrain, cannot be crossed by traffic or mobile machinery	Vertically	–	4.5m	4.5m/4.8m	4.5m/4.8m	5.5m/5.8m	5.5m	6.0m	6.7m	7.5m	
	Road cuttings, embankments and the like	Horizontally	1.5m	1.5m	1.5m	2.1m	4.6m	4.6m	5.5m	6.0m	7.0m		
MINIMUM CLEARANCE FROM STRUCTURES AND BUILDINGS	Unroofed terraces, balconies, sundecks etc., subject only to pedestrian traffic with surrounding handrail etc., on which persons may stand.	Vertically Above	2.4m	2.7m/3.0m	3.7m/4.0m	4.6m/4.9m	5.5m/5.8m	5.5m	6.5m	7.0m	8.0m		
		Vertically Below	1.2m	–	–	–	–	–	–	–	–	–	
		Horizontally	0.9m	1.2m	1.5m	2.1m	4.6m	4.6m	5.5m	5.5m	6.0m		
	Roofs or similar structures not used for traffic or resort and surrounds on which a person may stand	Vertically	0.5m	2.7m/3.0m	3.7m/4.0m	3.7m/4.0m	4.6m/4.9m	4.6m	6.0m	6.5m	7.5m		
		Horizontally	0.2m	0.9m	1.5m	2.1m	4.6m	4.6m	5.5m	5.5m	6.0m		
	Covered places such as verandahs, balconies and windows which can be opened	In any Direction	1.2m	1.2m	1.5m	2.1m	4.6m	4.6m	5.5m	5.5m	6.0m		
	Blank walls/windows which cannot be opened	Horizontally	0.2m	0.6m	1.5m	1.5m	3.0m	4.6m	5.5m	5.5m	6.0m		
	Other structures not normally accessible to persons eg. Road lighting poles, traffic signal posts	Vertically	1.2m	0.6m/0.9m	2.7m/3.0m	3.0m/3.3m	3.0m/3.3m	4.6m	5.5m	5.5m	6.0m		
Horizontally		1.2m	0.3m	1.5m	1.5m	3.0m	4.6m	5.5m	5.5m	6.0m			
RAILWAY	Railway tracks (non-electrified areas)	Refer Local Electricity Entity for Clearances											
	Electrical traction wiring and supports (electrified areas)												
	Telegraph, telephones, stays, signal lines and electrical lines 650V and below												
	Electrical lines over 650V to 33kV excluding electrical traction wiring												
TELECOMMUNICATIONS	Mid-span separation to telecommunications	Refer Local Electricity Entity for Clearances											
	Stays												

NOTES:

1. Extracted from – Electrical Safety Regulation and Energex Standard A500–2020.
2. Confirmation should be sought from Local Electricity Entity regarding the above clearances or voltage of conductors.

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TRAFFIC SIGNALS/ROAD LIGHTING/ITS			
MINIMUM CLEARANCE OF OVERHEAD ELECTRIC LINES FROM GROUND AND STRUCTURES		A3	Standard Drawing No
		Not to Scale	1333
		H	Date 07/2020