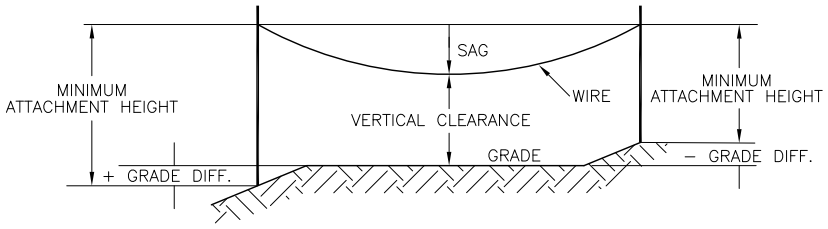


MINIMUM ATTACHMENT HEIGHT = MAX. SAG (FROM SECTION 7)
+ MIN. VERTICAL CLEARANCE (FROM TABLE 1)
± GRADE DIFF.
+ 0.3m (VEHICLE OR RAILWAY LOCATION)
(FOR NEW POLES INSTALL OR WHEN POLES ARE REPLACED)
+ MEAN ANNUAL MAXIMUM SNOW DEPTH PER TABLE 3 IN SUB–SECTION 6–6
(WHERE SNOW IS NOT CLEARED AWAY)
(CONDUCTOR SAG UNDER WINTER HEAVY LOADING CONDITION WITH ICE)

TABLE 1 – MINIMUM VERTICAL CLEARANCES ABOVE GROUND OR RAILS

| LOCATION OF WIRES, CABLES OR CONDUCTORS | SYSTEM VOLTAGE | | | |
|---|---|---|---|---|
| | SPAN GUYS AND COMMUNICATIONS WIRES | UP TO 600V AND NEUTRAL | 2.4/4.16kV TO 16/27.6kV * | 44kV |
| | MINIMUM VERTICAL CLEARANCES (m)** | | | |
| OVER OR ALONGSIDE (WITH OR WITHOUT OVERHANG, INCLUDING SWING) ROADS OR LANDS ACCESSIBLE TO ROAD VEHICLES OR LANDS ACCESSIBLE TO FARM EQUIPMENT H=4.15m *** | 4.42 A,B | 4.42 B | 4.75 | 5.3 |
| OVER LAND TRAVELED BY OFF–ROAD VEHICLES, HORSES, OR OTHER LARGE ANIMALS H=3.6m | 3.7 | 3.7 | 4.75 | 5.2 |
| ALONGSIDE (WITH NO OVERHANG, INCLUDING SWING) ROADS WITHIN THE ROAD RIGHT–OF–WAY WHICH CONTAIN FENCES, DITCHES, EMBANKMENTS OR OTHER TERRAIN FEATURES WHICH RENDER THE GROUND BENEATH THE LINE UNLIKELY TO BE TRAVELED BY ROAD VEHICLES | 3 | 3.4 | 4.15 | 4.6 |
| OVER GROUND ACCESSIBLE TO PEDESTRIANS ONLY | 2.5 | 3.1 | 3.4 | 3.7 |
| ABOVE TOP OF RAIL AT RAILWAY CROSSINGS | 7.3 | 7.3 | 7.6 | 8.1 |

* – THE MULTIGROUNDED SYSTEM NEUTRAL HAS THE SAME CLEARANCE AS THE 600V SYSTEM.

** – THE VERTICAL CLEARANCES IN THE ABOVE TABLE ARE UNDER MAXIMUM SAG CONDITIONS.

*** – WHERE VEHICLES HEIGHTS EXCEED 4.15m, INCREASE MINIMUM VERTICAL CLEARANCE BY THE AMOUNT THE VEHICLE HEIGHT IS EXCEEDED.

A – WHERE CROSSING RESIDENTIAL DRIVEWAYS WITH COMMUNICATION CABLES THIS CLEARANCE MAY BE REDUCED TO 4.0m, WHEN IT IS NOT ON ROAD ALLOWANCE.

B – FOR SERVICE CONDUCTORS (SECONDARY) AND COMMUNICATION DROPS TO RESIDENCES OR RESIDENCE GARAGES, THESE CLEARANCES OVER THE RESIDENTIAL DRIVEWAY MAY BE REDUCED TO 3.7m.

ALL DIMENSIONS IN CENTIMETRES
UNLESS OTHERWISE STATED

| Rev No. | Date | Revision Particulars | dwn | ckd | des | app |
|---|---|---|---|---|---|---|
| 04 | JUNE 2025 | UPDATED 'SNOW COVER' TERM TO 'MEAN ANNUAL MAXIMUM SNOW DEPTH' IN MINIMUM ATTACHMENT HEIGHT EQUATION AND ADDED REFERENCE TO TABLE 3 – MEAN ANNUAL MAXIMUM SNOW DEPTH IN ONTARIO IN SUB–SECTION 6–6. | PC | MM | AA | MM |
| 03 | NOV 2023 | UPDATED ROW 1 AND ADDED NEW ROW 3 UNDER LOCATION OF WIRES, CABLES OR CONDUCTORS IN IN TABLE 1. | PC | MM | AA | MM |

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| OC | | | |
| Scale: N.T.S. | Date: (yyyy/mm/dd) | Pole ID: | |

Title: MINIMUM VERTICAL CLEARANCES OF WIRES, CABLES AND CONDUCTORS, ABOVE GROUND OR RAILS

Drawing No. DL6–101–0500

Rev. No. 04

TITLE BLOCK REV 02 – AUGUST 2014

A4 (210 x 297) millimetres 0 10 50

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