

Powerline Technician Harmonized Level 2

ACRONYMS AND ABBREVIATIONS

TERM	MEANING
A	ampere
AC	alternating current
CSA	Canadian Standards Association
DC	direct current
DVI	digital voltage indicator
G & B.	grounding and bonding
IEEE	Institute of Electrical and Electronic Engineers
kV	kilovolt
kVA	kilovolt-ampere
MK II	Mark 2 switchgear
SF6	sulfur hexafluoride
UC	underground cable
UDD	underground distribution drawing
V	volt
VA	volt-amp
VCI	voice cable identifier
XLPE	cross-linked polyethylene

NOTE

Do **not** bring this document to your exam.

These acronyms and abbreviations will be included in the exam reference materials.

Powerline Technician: Harmonized Level 2 Acronyms and Abbreviations

November 1, 2025



FORMULAS

$I = \frac{kVA \times 1000}{V}$	$G.L. = \sqrt{Anchor\ distance^2 + Pole\ height^2}$	
$B.T. = \frac{Conductor\ tension}{Measured\ distance} \times Bisect\ line \times 2$	$S.T. = \frac{Weight}{No. of \ points \ (2)} \times \frac{Sling \ length}{Height}$	
$G.T. = \frac{Bisect\ tension}{Anchor\ distance} \times Guy\ length$	$G.T. = \frac{Conductor\ tension}{Anchor\ distance} \times Guy\ length$	
$C.F. = \frac{Bisect\ tension}{Anchor\ distance} \times Pole\ height$	$C.F. = \frac{Conductor\ tension}{Anchor\ distance} \times Pole\ height$	
$C.T. = \frac{Conductor\ weight\ per\ ft.\ or\ m\ \times (Span\ length)^2}{8\times Sag}$		
$P.T. = Conductor\ weight\ imes rac{Saddle\ distance\ to\ conductor}{Saddle\ distance}$		
$C.W. = \frac{Span A + Span B}{2} \times Weight of conductor per ft. or m$		
$P = \frac{\textit{Weight of object} + (10\% \textit{Weight of object} \times \textit{No. of sheaves rope passes})}{\textit{Mechanical advantage}}$		

NOTE Do no

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