

# GW350, GW550, GW650, GW750 Insulated Ground Wire

OVERHEAD PRODUCTS

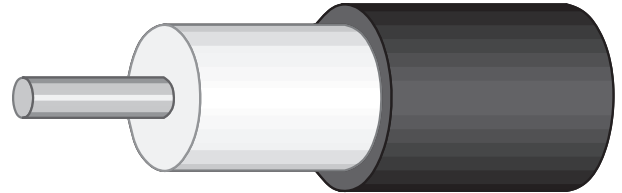


## Description:

Hendrix insulated ground wire consists of either a copper or aluminum conductor, an inner layer of unfilled high molecular weight polyethylene and an outer layer of proprietary black, track and ultraviolet resistant, high density polyethylene. The GW650 and GW750 also have a semiconducting conductor shield. The covering thickness is dependent on the BIL requirements of the transmission line on which the insulated ground wire is to be installed.

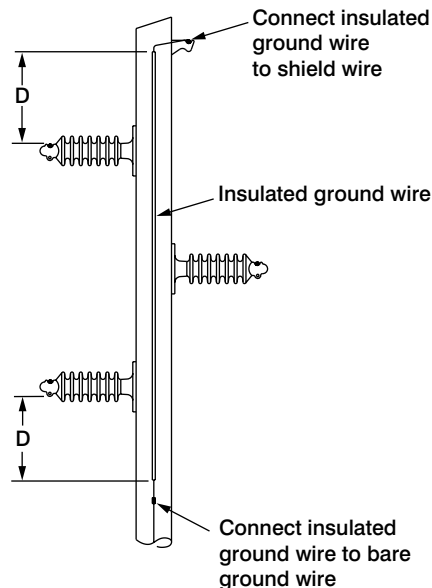
## Benefits:

- Eliminates expensive "outriggers" required by bare grounds
- Provides a neater pole
- Makes pole climbing and maintenance easier
- Pre-stripped ends facilitate rapid installation



## Application:

Hendrix insulated ground wire is used on wood pole transmission lines where a bare ground wire has insufficient BIL to meet system requirements. The insulating covering on the ground wire provides impulse withstand sufficient to meet the BIL requirements when the ground wire is stapled to the pole. The ground wire should extend above and below the phase conductors as shown in the table below. Specify insulated length required plus one foot for stripping (see packaging note).



Packaging: Furnished in straight lengths or coils with both ends stripped back 6.0" unless otherwise specified.

Catalog Number	System BIL (kV)	Conductor	Conductor Shield (in)	Insulation Thickness, Inner (in)	Insulation Thickness, Outer (in)	Weight (lb/ft)	Insulation distance "D" above top and below bottom phases (in)*	Average impulse withstand strength (kV)
GW350	350	#4 AWG Solid Copper	—	0.150	0.150	0.322	36	450
GW550	550	#2 AWG Solid Copper	—	0.325	0.125	0.623	72	600
GW650	650	1/0 AWG Solid Aluminum	0.015	0.475	0.125	0.852	90	750
GW750	750	4/0 AWG 7X Compact Alum.	0.015	0.500	0.130	1.140	95	800

\*"D" dimensions are minimum recommended.

Hendrix Wire & Cable, Inc. • 53 Old Wilton Road • Milford, NH 03055-3119

Telephone: (603) 673-2040 • Fax: (603) 673-1497 • Email: [overhead@hendrix-wc.com](mailto:overhead@hendrix-wc.com) • Website: <http://www.hendrix-wc.com>

A member of The Marmon Group of companies