

High-Voltage Composite Wire

High-Voltage Series

P/N HVW-260-XXN-FLX



Our 1,000-volt composite wires offer lighter weight and smaller diameters compared to similar extruded constructions in applications up to 260 °C. Our high-voltage composite wire and cable family offers exceptional installation characteristics like:

- » Seamless™ Wrap PTFE jacket technology which offers all the advantages of a tape wrap, with a smooth outer surface that improves installation characteristics
- » A high-strand-count, nickel-plated copper conductor that offers enhanced flexibility and routing capabilities

FEATURES	BENEFITS
High-voltage performance of 1,000 V	<ul style="list-style-type: none">• Corona resistant
Minimum bend radius of 6x	<ul style="list-style-type: none">• Allows routing around tight bends and in restricted areas
UV laser marking	<ul style="list-style-type: none">• Easily identify wire for customer and end-users
Seamless™ tape-wrapped composite construction	<ul style="list-style-type: none">• Light weight, small diameter• Installed like an extruded wire
Exceptional arc-propagation resistance	<ul style="list-style-type: none">• Key safety factor for customer and end users
High-strand-count conductor	<ul style="list-style-type: none">• Extremely flexible for installation and routing purposes

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SPECIFICATIONS & PERFORMANCE

P/N	Wire Size (AWG)	Conductor Stranding Number x AWG	Diameter of Stranded Conductor		Max Resistance @ 20 °C Ω/kFT (Ω/km)	Diameter		Nom. Weight lb/kFT (kg/km)
			in (mm)			in (mm)		
			Min	Max		Nom.	Max	
HVW-260-8N-FLX	8	665 x 36	0.157 (3.99)	0.173 (4.39)	0.714 (2.34)	0.199 (5.06)	0.207 (5.26)	64.5 (96)
HVW-260-6N-FLX	6	1045 x 36	0.192 (4.88)	0.208 (5.28)	0.490 (1.61)	0.233 (5.92)	0.241 (6.12)	98 (146)
HVW-260-4N-FLX	4	1665 x 36	0.265 (6.73)	0.285 (7.24)	0.326 (1.07)	0.319 (8.10)	0.329 (8.36)	155 (232)
HVW-260-2N-FLX	2	1665 x 34	0.325 (8.26)	0.345 (8.76)	0.193 (0.633)	0.376 (9.55)	0.386 (9.80)	234 (350)
HVW-260-1N-FLX	1	2109 x 34	0.370 (9.40)	0.400 (10.16)	0.163 (0.535)	0.431 (10.9)	0.446 (11.3)	303 (452)
HVW-260-1/0N-FLX	1/0	2660 x 34	0.435 (11.0)	0.465 (11.8)	0.133 (0.436)	0.489 (12.4)	0.504 (12.8)	374 (558)
HVW-260-2/0N-FLX	2/0	3325 x 34	0.485 (12.3)	0.515 (13.1)	0.102 (0.335)	0.543 (13.8)	0.558 (14.2)	465 (692)
HVW-260-3/0N-FLX	3/0	4123 x 34	0.540 (13.7)	0.575 (14.6)	0.073 (0.240)	0.599 (15.2)	0.616 (15.6)	564 (840)
HVW-260-4/0N-FLX	4/0	5320 x 34	0.615 (15.6)	0.655 (16.6)	0.057 (0.187)	0.695 (17.1)	0.695 (17.7)	723 (1076)

Mechanical

Insulation	Material	Seamless™ PTFE tape-wrapped composite
	Color	White
Conductor		High-strand-count nickel-plated copper
UV Laser Marking		60% nom.
Temp Range		-65 to 260 °C

Electrical

Voltage	Rating	1,000 V
	Dielectric Withstand	3,000 V
Corona Extinction		1,000 V