

# High-Voltage Extruded Wires High-Voltage Series

## INTRODUCTION



HVR-260-1/0N 92607 High-Voltage Extruded Wire

Part of our high-voltage series, our high-voltage extruded wires are capable of 1,000-volt performance while maintaining excellent flammability and arc-propagation resistance. They are ideal for applications, such as aerospace, that require a cable with excellent safety factors as well as user-friendly features like:

- » Easy markability
- » Tight bend radius

FEATURES	BENEFITS
High voltage performance of 1000 volts	<ul style="list-style-type: none"> <li>• Corona resistant</li> </ul>
Minimum bend radius of 6x	<ul style="list-style-type: none"> <li>• Tight routing bends without insulation wrinkling or cracking</li> </ul>
Temperature rating of 260 °C	<ul style="list-style-type: none"> <li>• High temperature rating for aerospace and industrial applications</li> </ul>
UV laser marking	<ul style="list-style-type: none"> <li>• Easily identify wire for customer and end users</li> </ul>
Excellent flammability and smoke generation properties	<ul style="list-style-type: none"> <li>• Meets EN3475-407</li> </ul>
Exceptional arc-propagation resistance	<ul style="list-style-type: none"> <li>• Key safety factor for customer and end users</li> </ul>
High strand count conductor	<ul style="list-style-type: none"> <li>• Extremely flexible for installation and routing purposes</li> </ul>

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## SPECIFICATIONS & PERFORMANCE

Mechanical		
Insulation	Material	Extruded PFA
	Color	White
Conductor		Nickel Coated Copper
Shrinkage		Tested at 290 °C
Thermal Shock		Tested at 290 °C
UV Laser Marking		60%
Temp Range		-65 to 260 °C
Electrical		
Voltage	Rating	1,000 V
	Dielectric Withstand	3,000 V
Impulse Testing		8.0 KV
Corona Extinction		1,000 V

P/N	Wire Size (AWG)	Conductor Stranding Number x AWG	Diam. of Stranded Conductor in (mm)		Max Resistance @ 20 °C Ω/MFT (Ω/km)	Diameter in (mm)			Nominal Weight (lbs/MFT)
			Min	Max		Min	Nominal	Max	
HVR-260-8N	8	665 x 36	.157 (3.99)	0.173 (4.39)	0.714 (2.34)	0.195 (4.95)	0.205 (5.21)	0.215 (5.46)	67.7 (101)
HVR-260-6N	6	1045 x 36	.192 (4.88)	0.208 (5.28)	0.49 (1.61)	0.231 (5.87)	0.242 (6.15)	0.253 (6.43)	102 (152)
HVR-260-4N	4	1665 x 36	.265 (6.73)	0.285 (7.24)	0.326 (1.07)	0.310 (7.87)	0.323 (8.20)	0.336 (8.53)	168 (250)
HVR-260-2N	2	1665 x 34	0.325 (8.26)	0.345 (8.76)	0.193 (.633)	0.373 (9.47)	0.387 (9.83)	0.401 (10.2)	250 (372)
HVR-260-1N	1	2109 x 34	0.37 (9.40)	0.400 (10.2)	0.163 (.535)	0.426 (10.8)	0.441 (11.2)	0.456 (11.6)	308 (458)
HVR-260-1/0N	0	2660 x 34	0.435 (11.0)	0.465 (11.8)	0.133 (.436)	0.494 (12.5)	0.510 (13.0)	0.526 (13.4)	395 (588)
HVR-260-2/0N	00	3325 x 34	0.485 (12.3)	0.515 (13.1)	0.102 (.335)	0.546 (13.9)	0.564 (14.3)	0.582 (14.8)	491 (731)
HVR-260-3/0N	000	4123 x 34	0.54 (13.7)	0.575 (14.6)	0.073 (.240)	0.606 (15.4)	0.626 (15.9)	0.646 (16.4)	604 (899)
HVR-260-4/0N	0000	5320 x 34	0.615 (15.6)	0.655 (16.6)	0.057 (.187)	0.685 (17.4)	.707 (18.0)	0.729 (18.5)	774 (1152)



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