

Pyrotenax vs. Competition

Pyrotenax

Pyrotenax System 1850 Fire-Rated Wiring delivers superior performance for critical life safety circuits and is the UL Listed 2-hour fire-rated system with the fewest limitations!

- 100% inorganic composition does not produce toxic smoke and gas or fuel fire when exposed to flame like competitive product with silicone rubber insulation
- Increased ampacity allowance vs. competition
- Requires less space vs. competition
- Superior mechanical strength vs. competition
- The trusted leader in mineral-insulated cable solutions since 1936 with over 30 million feet installed worldwide
- Lifetime warranty
- EcoVadis Gold Rating



NVENT PYROTENAX VS. COMPETITION

	nVent PYROTENAX MI Cable	Metal Clad Cable	Imported MI Cable	RHH in Conduit
Fire Testing Performance	No smoke, no fuel, tensile strength maintained	Toxic/flammable gasses, reduced tensile strength, special install required	No smoke, no fuel	Toxic/flammable gasses, reduced tensile strength
Space & materials required to deliver 2160 Amps over 100 ft	Volume: 60.1 ft ³ Cable: 1800 ft Struts: 33.3 ft Threaded Rod: 27.8 ft	Volume: 138.7 ft ³ (+131%) Cable: 2400 ft (+33%) Struts: 90.1 ft (+171%) Threaded Rod: 44.0 ft (+58%)	Volume: 60.1 ft ³ Cable: 1800 ft Struts: 33.3 ft Threaded Rod: 27.8 ft	Volume: 174.9 ft ³ (+191%) Cable: 4000 ft (+122%) Struts: 80.1 ft (+141%) Threaded Rod: 38.1 ft (+37%)
Outer Sheath	Smooth copper	Corrugated copper	Smooth copper	Polymeric jacket
Insulation Material	Inorganic Magnesium Oxide	Silicone Rubber	Inorganic Magnesium Oxide	Silicone Rubber
Fire-Rated Field Splice	Yes	Only for 8 AWG – 750 kcmil	No	No - Fire Alarm Only
Fire-Rated Factory Splice	Yes	No	No	No
Physical Support Requirements	Supports every 6 ft, except 8, 10 AWG single conductor (4 ft)	Supports every 4 ft	Supports every 4 ft for <4 AWG & 7-conductor <10 AWG; every 6 ft for sizes above	Supports every 5 ft in approved conduit (only one brand approved)
UL Listed Configurations Available	AWG / kcmil Sizes	AWG / kcmil Sizes	AWG / kcmil Sizes	AWG / kcmil Sizes
1 Conductor:	10, 8, 6, 4, 3, 2, 1, 1/0, 2/0, 3/0, 4/0, 250, 350, 500	1/0, 2/0, 3/0, 4/0, 250, 300, 350, 400, 500, 600, 750	10, 4, 3, 2, 1, 1/0, 2/0, 3/0, 4/0, 250, 350, 500	14, 12, 10, 8, 6, 4, 3, 2, 1, 1/0, 2/0, 3/0, 4/0, 250, 300, 350, 400, 500
2 Conductors:	16, 14, 12, 10, 8, 6, 4, 3, 2, 1	14, 12, 10, 8, 6	10, 4, 3, 2, 1	
3 Conductors:	16, 14, 12, 10, 8, 6, 4, 3	14, 12, 10, 8, 6, 4, 3, 2, 1, 1/0, 2/0, 3/0, 4/0, 250, 300, 350, 400, 500, 600	10, 4, 3	
4 Conductors:	16, 14, 12, 10, 8, 6	14, 12, 10, 8, 6, 4, 3, 2, 1, 1/0, 2/0, 3/0, 4/0, 250, 300, 350, 400, 500, 600		
5 Conductors:		14, 12, 10, 8, 6, 4, 3, 2, 1, 1/0, 2/0, 3/0, 4/0		
7 Conductors:	16, 14, 12, 10, 8	14, 12, 10, 8, 6	10	
Warranty	Lifetime	12 Months	35 years	Defects only
Manufacturing Location	North America	North America	Asia	North America

North America

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chemelex
excellence is everything

Raychem Tracer Pyrotenax Nuheat