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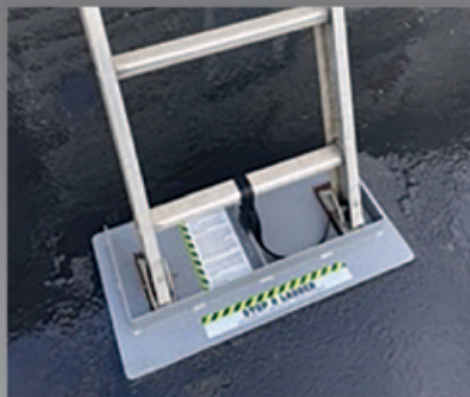
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THE ELECTRIC CURRENT

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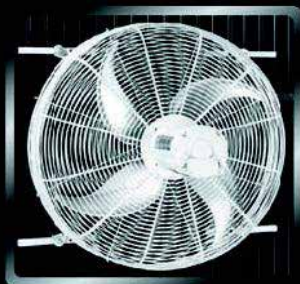
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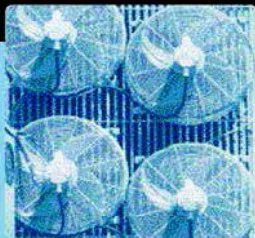
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The Cable Rack You Install Once and Stop Thinking About

Why utilities specifying underground power are moving from steel to Underground Devices nonmetallic cable racks

Walk into any power or communications manhole and you can usually tell how the last twenty years went. Steel cable racks that looked solid on install day come back rusted at the contact points, the grounding hardware has corroded, and what was supposed to be a quick inspection turns into a list of things that need attention. None of it was in the plan. All of it costs time and money to fix in a space where access is limited and a failure is expensive.

That is the problem Underground Devices set out to solve with its nonmetallic cable racks. The idea is simple, and it is the whole point: the best underground rack is the one you never think about again. It goes in, it holds the load, and it stays out of your maintenance schedule for the life of the vault.

What nonmetallic racks do for you

Underground Devices nonmetallic cable racks are molded from UL-listed glass-reinforced polymer, and that one material choice changes everything that happens after install day. They will not rust or corrode, so the contact points that used to be the first to go simply hold. They do not require grounding or bonding, which takes steps out of every install and one more thing off every inspection. They do not need insulators. And because the polymer has excellent dielectric properties, you take a whole category of electrical risk out of the manhole rather than managing it year after year.

Put together, that is a rack you install once and leave alone. There are no contact points quietly corroding out of sight, no grounding hardware to chase down on the next inspection, no loose pieces turning into an unplanned



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maintenance project. The support system goes in, does its job, and stays out of your schedule for the life of the vault.

Here is the part that usually settles the conversation for engineers: you give up nothing on strength. The racks deliver equal load capacity to steel. You are not trading durability for convenience. You are getting both, and you are getting them without the long tail of corrosion and rework that steel brings with it.

A Rack for Every Underground Challenge

No two underground installations are exactly alike, so the nonmetallic rack line is built as a family rather than a single product. Every member shares the same foundation: the polymer construction, the corrosion resistance, the freedom from grounding and insulators, and equal load capacity to steel. What changes from one to the next is the geometry, so you can match the rack to the conditions in front of you without giving up any of the advantages that make the family worth specifying in the first place. Four configurations cover the range.

Heavy Duty — the industry standard for underground

installations

When you want the proven workhorse, this is it. With 10 arm sizes and 9 stanchion lengths, it covers the widest range of cable loads and spacing requirements, and it allows tandem stanchion installation when a run needs the extra capacity. For most vaults, this is where the spec starts.

BNT — custom spacing and arm changes without disruption

Cable layouts change over a vault's life. BNT lets crews add or move arms without disturbing the cable already in place, which means a future change does not turn into a shutdown. It offers custom stanchion lengths and arm placement, integrated saddle or flat arm options, and it is compatible with existing steel stanchions, so it fits into installations that are already in the ground.

Multi-Mount — built for retrofits and surfaces that were never meant to be easy

Real-world walls are rarely flat and rarely square. Multi-Mount handles that. It mounts directly to the vault wall or to strut, works on imperfect surfaces and nontradi-



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tional angles, and comes in 4 sizes with wire-tie holes on the top surface. When you are working in existing infrastructure rather than a clean new pour, this is the one that gets you out of a bind.

Saddle Rack — the lowest-profile option for tight tunnels and curved walls

Where clearance is at a premium, Saddle Rack keeps everything close to the wall. It is available with 2-inch or 3-inch saddle openings in one, two, or three saddle configurations, fits tunnels with curved walls as well as vaults and manholes, and can be ordered in V0 polycarbonate when the application calls for it.

Why this matters more now

Underground power is being built out faster than it has in a generation, and the systems going in today are expected to run for decades with minimal intervention. That raises the cost of getting the support hardware wrong. A rack that corrodes, or that forces a future shutdown to reconfigure, is a liability that compounds quietly over the life of the asset.

Choosing nonmetallic at the design stage takes that liability off the table before it ever appears. You start with a system built to perform where access is limited and failure is costly. You eliminate the conditions that

lead to corrosion, grounding complexity, and long-term degradation. And you reduce the number of components there is to manage, inspect, and maintain over time. Fewer parts, fewer failure points, fewer surprises.

Start with the right solution

Underground Devices has been engineering underground infrastructure solutions in the United States since 1973, and the nonmetallic cable rack line reflects what the company has learned about what actually holds up down there. The racks are made in the USA and backed by a full engineering team that works through the specifics of each project rather than handing you a catalog and wishing you luck.

So bring the challenge that is on your desk right now. A new vault, a precast trench run between buildings, a retrofit in a space that fights you at every turn. Underground Devices will help you specify the right rack from the start, so the support system is the part of the project you get to stop worrying about.

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