

Waterdog cables

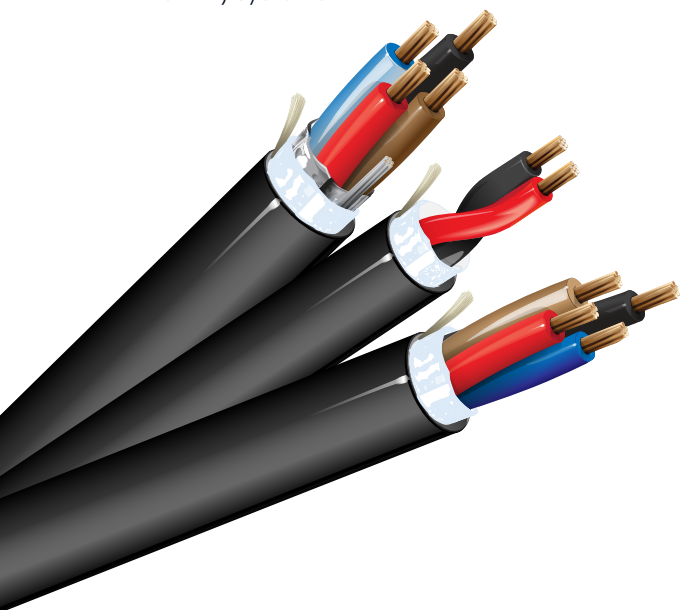
Rugged, reliable indoor-outdoor cables

Product Bulletin



Connect in-building and outdoor devices and unlock what's possible with Waterdog in conduit and new direct-burial cables—rugged, water-resistant and built to perform in the toughest conditions.

- Seamlessly connect outdoor security and building management devices.
- Install in any environment regardless of temperature, water, moisture or humidity.
- Interconnect campus building management systems indoors, outdoors or underground.
- Support fire alarm, security, access control, audio, sound and closed-circuit and cable television (CCTV/CATV) systems.



Key Features

- Multiple construction options.
- Water-, sunlight- and temperature-resistant.
- FPL, CM, CL3 and PLTC Ratings available.
- Tinned copper conductors resist corrosion.
- 10-year warranty.

Waterdog cables meet industry-standard water resistance and water filtration norms and TIA water-filtration tests. They are available as paired, multi-conductor or coaxial cables with numerous conductor and shielding options.

Your Benefits

Belden's complete line of Waterdog cables meets the unique requirements of complex sites with multiple buildings that need to integrate indoor and outdoor devices into a complete connection solution. An innovative water-blocking interior material expands to block water egress through cables and protect electrical components.

Traditional offerings often include sticky water-blocking materials that can degrade in harsh conditions, diminishing cable quality and causing environmental hazards. With Waterdog cables, organizations can choose one cable type that extends both indoors and outdoors and avoid splicing for a streamlined installation process.

Applications

Water-resistant Waterdog direct-burial cables deliver dependable performance in environments where failure isn't an option. In broadcast/AV and stadiums, they keep signals clear despite outdoor exposure. Education and hospitality rely on these cables for seamless, long-lasting campus and guest connectivity.

In hospitals, they protect critical systems from costly moisture damage. For industrial manufacturing, they endure wet, corrosive or rugged conditions, reducing downtime and maintenance. Across all these sectors, Waterdog cables provide seamless connections that unlock new business possibilities.

Markets

Waterdog cables are optimal for demanding markets, like commercial real estate, government, healthcare, higher education, stadiums/venues and hospitality, where reliability is critical. Designed to perform underground without extra conduit, they ensure uninterrupted connectivity and safety in mission-critical environments.

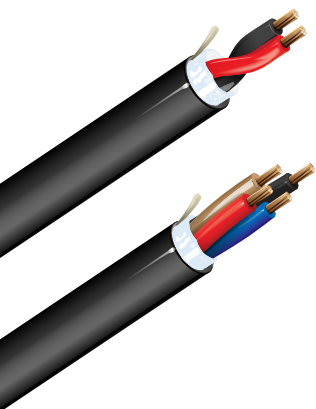
These cables meet Underwriters Laboratories (UL) 444, UL 13 and Telecommunications Industry Association (TIA) 455-82B water filtration standards, proving their durability against moisture and harsh conditions. Backed by Belden's industry-leading 10-year warranty, they provide peace of mind, long service life and trusted performance across diverse applications.



Waterdog - Direct Burial Indoor/Outdoor

FPL, CL3, PLTC - Water Resistant Direct Burial | 300V 90 Deg.C

Applications: Fire Alarm, Sound Systems, and Communication.



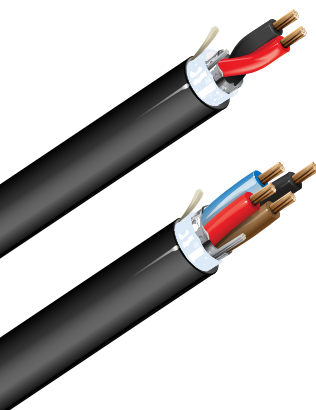
Unshielded Direct Burial - NEW!!

Part No.	Number of conductors	AWG Type, Size & Stranding	Insulation Type	Shield	Jacket Type & O.D
5300U2	2	18 AWG BC (7×26)	PVC + Nylon	Unshielded	Sunlight Resistant PVC .270 in
5302U2	4	18 AWG BC (7×26)	PVC + Nylon	Unshielded	Sunlight Resistant PVC .327 in
5200U2	2	16 AWG BC (7×24)	PVC + Nylon	Unshielded	Sunlight Resistant PVC .295 in
5202U2	4	16 AWG BC (7×24)	PVC + Nylon	Unshielded	Sunlight Resistant PVC .355 in
5100U2	2	14 AWG BC (19×27)	PVC + Nylon	Unshielded	Sunlight Resistant PVC .310 in
5100U2	2	12 AWG BC (19×25)	PVC + Nylon	Unshielded	Sunlight Resistant PVC .340 in

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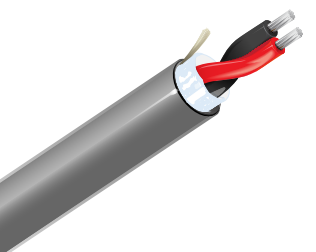
Unshielded Direct Burial - NEW!!

Part No.	Number of conductors	AWG Type, Size & Stranding	Insulation Type	Shield	Jacket Type & O.D
5300F2	2	18 AWG BC (7×26)	PVC + Nylon	100% AL. Foil + 24AWG Drain	Sunlight Resistant PVC .310 in
5302F2	4	18 AWG BC (7×26)	PVC + Nylon	100% AL. Foil + 24AWG Drain	Sunlight Resistant PVC .371 in
5200F2	2	16 AWG BC (19×29)	PVC + Nylon	100% AL. Foil + 24AWG Drain	Sunlight Resistant PVC .328 in
5202F2	4	16 AWG BC (19×29)	PVC + Nylon	100% AL. Foil + 24AWG Drain	Sunlight Resistant PVC .415 in
5202F2	2	14 AWG BC (19×27)	PVC + Nylon	100% AL. Foil + 24AWG Drain	Sunlight Resistant PVC .350 in

Waterdog - Indoor/Outdoor

CM - FT1 - Water Resistant - In-Conduit Outdoor | 300V 105 Deg.C

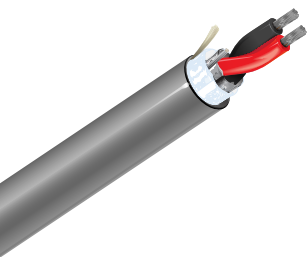
Applications: Sound Systems, and Control



Unshielded

Part No.	Number of conductors	AWG Type, Size & Stranding	Insulation Type	Shield	Jacket Type & O.D
5300U1	2	18 AWG TC (7×26)	PVC	Unshielded	Sunlight Resistant PVC .207 in
5500U1	2	22 AWG TC (7×30)	PVC	Unshielded	Sunlight Resistant PVC .185 in
5502U1	4	22 AWG TC (7×30)	PVC	Unshielded	Sunlight Resistant PVC .206 in
5504U1	6	22 AWG TC (7×30)	PVC	Unshielded	Sunlight Resistant PVC .236 in





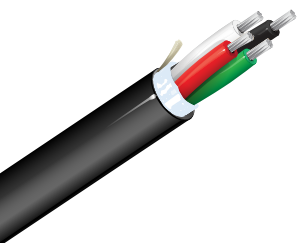
Shielded

Part No.	Number of conductors	AWG Type, Size & Stranding	Insulation Type	Shield	Jacket Type & O.D
5300F1	2	18 AWG TC (7×26)	PVC	100% AL. Foil + 24AWG Drain	Sunlight Resistant PVC .222 in
5400F1	2	20 AWG TC (7×28)	PVC	100% AL. Foil + 24AWG Drain	Sunlight Resistant PVC .206 in
5500F1	2	22 AWG TC (7×30)	PVC	100% AL. Foil + 24AWG Drain	Sunlight Resistant PVC .192 in
5502F1	4	22 AWG TC (7×30)	PVC	100% AL. Foil + 24AWG Drain	Sunlight Resistant PVC .217 in
5504F1	6	22 AWG TC (7×30)	PVC	100% AL. Foil + 24AWG Drain	Sunlight Resistant PVC .247 in

Waterdog - Indoor/Outdoor

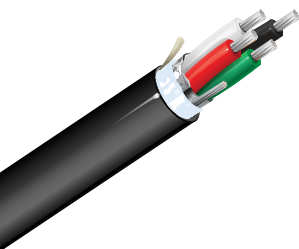
CMG, FPL, PLTC - FT4- Water Resistant - In-Conduit Outdoor | 300V 105 Deg.C

Applications: Fire Alarm, Sound Systems, and Control



Unshielded

Part No.	Number of conductors	AWG Type, Size & Stranding	Insulation Type	Shield	Jacket Type & O.D
5340U1	2	18 AWG TC (7×26)	PVC	Unshielded	Sunlight Resistant PVC .227 in
5302U1	4	18 AWG TC (7×26)	PVC	Unshielded	Sunlight Resistant PVC .254 in
5304U1	6	18 AWG TC (7×26)	PVC	Unshielded	Sunlight Resistant PVC .316 in
5240U1	2	16 AWG TC (7×24)	PVC	Unshielded	Sunlight Resistant PVC .249 in
5202U1	4	16 AWG TC (7×24)	PVC	Unshielded	Sunlight Resistant PVC .291 in
5140U1	2	14 AWG TC (19×27)	PVC	Unshielded	Sunlight Resistant PVC .307 in
5102U1	4	14 AWG TC (19×27)	PVC	Unshielded	Sunlight Resistant PVC .341 in



Shielded

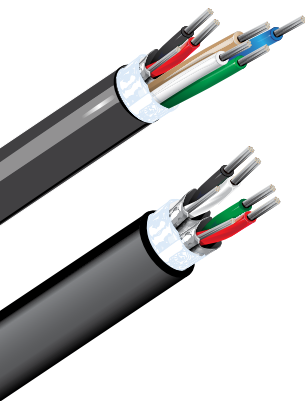
Part No.	Number of conductors	AWG Type, Size & Stranding	Insulation Type	Shield	Jacket Type & O.D
5340F1	2	18 AWG TC (7×26)	PVC	100% AL. Foil + Drain	Sunlight Resistant PVC .232 in
5302F1	4	18 AWG TC (7×26)	PVC	100% AL. Foil + Drain	Sunlight Resistant PVC .255 in
5304F1	6	18 AWG TC (7×26)	PVC	100% AL. Foil + Drain	Sunlight Resistant PVC .319 in
5240F1	2	16 AWG TC (7×24)	PVC	100% AL. Foil + Drain	Sunlight Resistant PVC .254 in
5202F1	4	16 AWG TC (7×24)	PVC	100% AL. Foil + Drain	Sunlight Resistant PVC .295 in
5140U1	2	14 AWG TC (19×27)	PVC	100% AL. Foil + Drain	Sunlight Resistant PVC .314 in



Waterdog - Indoor/Outdoor

CM - FT1 - Water Resistant - In-Conduit Outdoor
Applications: Analog Intercom

Unshielded/Shielded



Part No.	Number of conductors	AWG Type, Size & Stranding	Insulation Type	Shield	Jacket Type & O.D
5521G1	(3) 1 STP + 1 Cond.	22 AWG TC Solid	PVC	Shield + Unshielded	Sunlight Resistant PVC .212 in
5501G1	(3) 1 STP + 1 Cond.	22 AWG TC (7×30)	PVC	Shield + Unshielded	Sunlight Resistant PVC .222 in
5522G1	(4) 1 STP + 2 Cond.	22 AWG TC Solid	PVC	Shield + Unshielded	Sunlight Resistant PVC .224 in
5502G1	(4) 1 STP + 2 Cond.	22 AWG TC (7×30)	PVC	Shield + Unshielded	Sunlight Resistant PVC .240 in
5504G1	(6) 1 STP + 4 Cond.	22 AWG TC (7×30)	PVC	Shield + Unshielded	Sunlight Resistant PVC .268 in
5524G1	(6) 1 STP + 4 Cond.	22 AWG TC Solid	PVC	Shield + Unshielded	Sunlight Resistant PVC .244 in
5548G1	(6) 1 STP + 2 UTP	22 AWG TC Solid	PVC	Shield + Unshielded	Sunlight Resistant PVC .283 in
5541P1	(4) 2 STP	22 AWG TC (7×30)	PVC	Shielded	Sunlight Resistant PVC .328 in



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