

# RS-485 Direct Burial

## UL-Rated Industrial Cable

The first of its kind, this UL Direct Burial rated, water-blocking RS-485 cable is installable directly underground without a separate conduit, saving you set-up time, material, and labor costs.

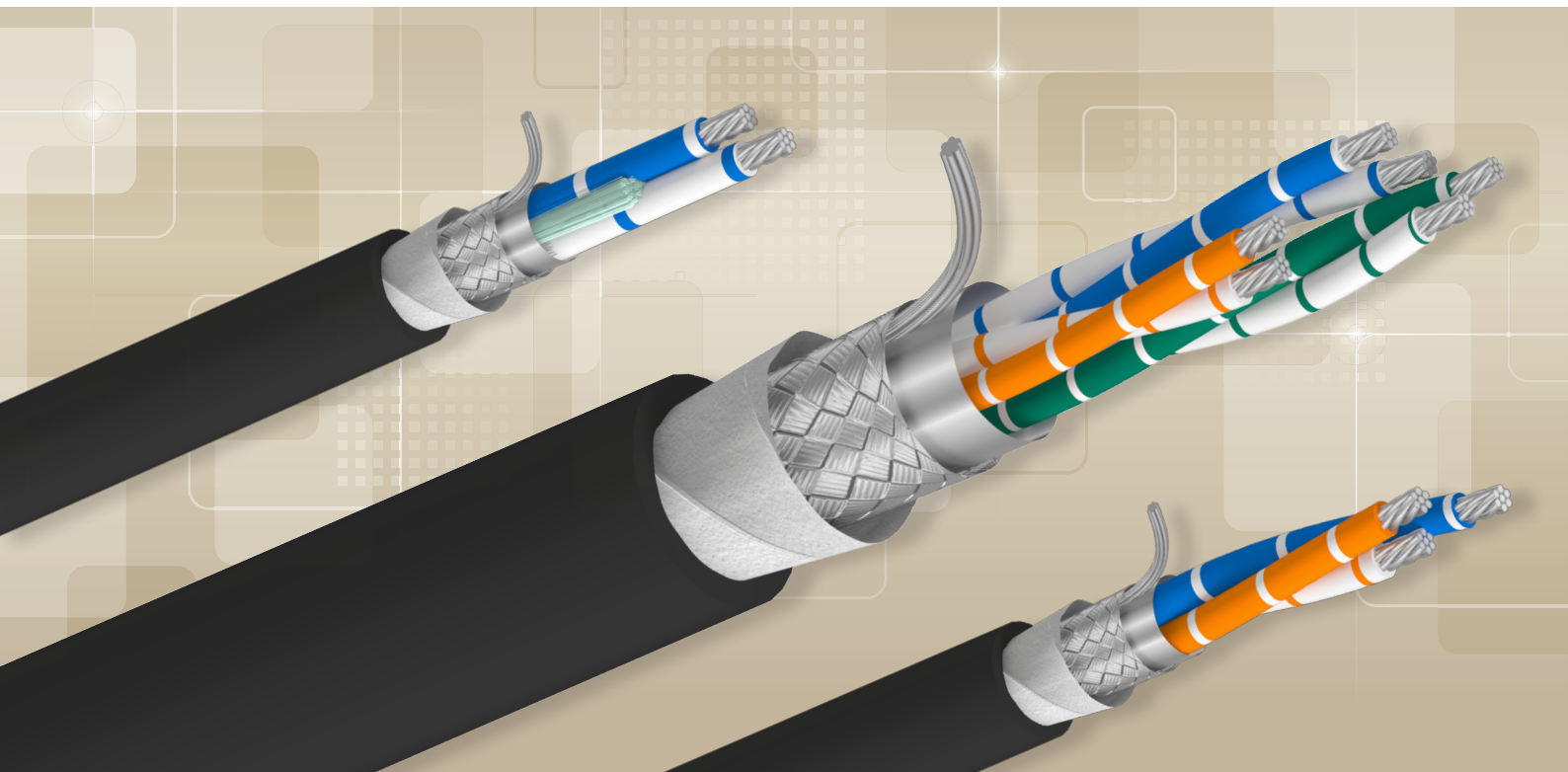
**+** **Achieve reliable, long-distance installation** with low capacitance and prevent data distortion or errors.

**+** **Protect against harsh elements** with a unique water-blocking and water-resistant construction as well as UV, oil, noise, fire and crush resistance.

**+** **Save time and money** – no underground conduit needed in installation

### Key Features

- Water-blocking and water-resistant jacket design protects against exposure to moisture and water
- Crush resistance and UL direct burial rating for underground installation
- Sun resistance makes cable ideal for use in outdoor environments
- 300V PLTC rating for use in power limited trays
- CM rating for flame resistance
- Low-capacitance and noise protection for use across long distances and remote applications



Belden's RS-485 Direct Burial cable is well-suited for any application requiring reliable communication amidst exposure to water, sun and risks of flammability.

**Be certain.**  
**Belden.**

# Your Benefits

System integrators and installers can reduce network installation costs and hassles in the field with Belden's UL-rated RS-485 Direct Burial cable. Built with a water-blocking construction, the cable does not require a separate conduit to protect it from the elements when buried underground.

In addition to robust water protection, the 300V PLTC rating enables use of the cable in power limited trays. The UL UV resistance and CM fire resistance ratings also keep the cable safe in outdoor environments.

The low capacitance of the RS-485 Direct Burial cable means it can reliably perform over long distances without data distortion or transmission errors, such as when network communication between factories or plants is required.

## Applications

Specifically designed with ratings to withstand exposure to water, fire and sunlight, the RS-485 Direct Burial cable is ideal for settings that require reliable performance underground. Any remote application that relies on strong signals over long distances, like solar plant and outdoor lighting systems that require 120 Ohm direct burial cables are an ideal fit for this cabling.

## Markets

Belden's RS-485 Direct Burial cable benefits a wide range of markets such as energy, mining, water/wastewater, general manufacturing, oil and gas, security, transportation and mass transit, airport and seaport industries.



Belden's RS-485 Direct Burial cable comes with low-capacitance and water-blocking features for safe installation underground and reliable performance over long distances.

Product Code	Item Number	Pairs	OD Nom		Putup	Jacket Color	Rating	Nom. Capacitance (C-to-C)		Nom. Capacitance (C-to-Shield)		Nom Velocity of Propagation	Nom Imp $\Omega$
			Inch	mm				pF/ft	pF/m	pF/m	pF/m		
3105DB	3105DB 0101000	1	0.338	8.585	1000 ft	Black	UL Direct Burial, PLTC, CM, cUL, Sun Res, Outdoor, Oil Res, FT1, RoHS Compliant	11	36.1	20.9	68.6	78%	120
3106DB	3106DB 0101000	1.5	0.364	9.246	1000 ft								
3107DB	3107DB 0101000	2	0.387	9.83	1000 ft								
3108DB	3108DB 0101000	3	0.411	10.439	1000 ft								
3109DB	3109DB 0101000	4	0.484	12.294	1000 ft								
3105DB	3105DB 0105000	1	0.338	8.585	5000 ft								
3106DB	3106DB 0105000	1.5	0.364	9.246	5000 ft								
3107DB	3107DB 0105000	2	0.387	9.83	5000 ft								
3108DB	3108DB 0105000	3	0.411	10.439	5000 ft								
3109DB	3109DB 0105000	4	0.484	12.294	5000 ft								

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