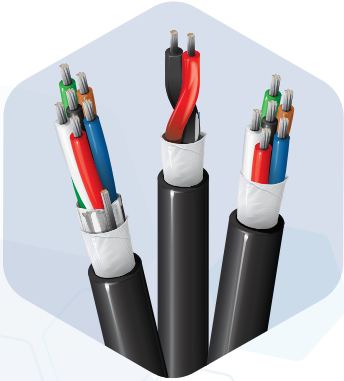




A ruggedized cable capable of resisting temperature and humidity variability

Security and building management systems often involve devices located outside the building or in adjacent buildings. In those situations, off-the-shelf security cabling isn't up to the task due to harsh environments with temperature and moisture fluctuations. Belden New Generation (New Gen) Waterdog Cables are a complete line of ruggedized, water-resistant/direct-burial cables that support security and building management systems. They meet UL water-resistance standards and TIA water-filtration tests and are available as paired, multi-conductor or coaxial cables with numerous conductor and shielding options.



BENEFITS

- 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 CCTV/CATV systems



FEATURES

- Multiple construction options
- Water, sunlight and temperature resistant
- PLTC-ER and FPL ratings available
- Tinned copper conductors resist corrosion
- 10-year warranty



KEY APPLICATIONS

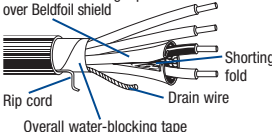
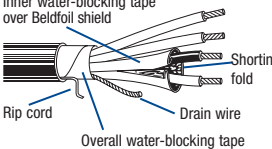
- Broadcast and AV
- Education
- Hospitality
- Hospitals
- Industrial/manufacturing
- Stadiums/venues

For more information, call
1.800.BELDEN.1 (1.800.235.3361)
or visit www.belden.com

Ordering Information

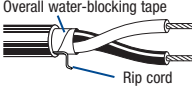
New Gen Waterdog Indoor/Outdoor Cables

Water-resistant, shielded twisted pair plus conductor(s) — NEC CM and CEC, CM, FT1

Description	Part No.	# of Pairs and # of Cond.	Stranding	Standard Lengths		Standard Unit Wt.		Insulation Thickness		Jacket Thickness		Nominal OD	
				Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
22 AWG Solid or stranded tinned copper conductors • Beldfoil® shield with drain wire and inner water-blocking tape (pairs)													
Insulated conductors as indicated • Overall water-blocking tape													
PVC Insulation and PVC Jacket with Rip Cord													
Solid Conductor 	5521G1	1 STP +1C (3/c)	solid	500 1000	152 305	13.0 22.0	5.9 10.0	0.010	0.254	0.025 Jacket Color: Gray or Black	0.64	0.212	5.38
	5501G1	1 STP +1C (3/c)	7x30	500 1000	152 305	12.0 25.0	5.4 11.4	0.010	0.254	0.025 Jacket Color: Gray or Black	0.64	0.222	5.64
	5522G1	1 STP +2/C (4/c)	solid	1000	305	27.0	12.3	0.010	0.254	0.025 Jacket Color: Gray or Black	0.64	0.224	5.69
	5502G1	1 STP +2/C (4/c)	7x30	500 1000	152 305	14.0 29.0	6.4 13.2	0.010	0.254	0.025 Jacket Color: Gray or Black	0.64	0.240	6.10
	5504G1	1 STP +4/C (6/c)	7x30	500 1000	152 305	18.5 37.0	8.4 16.8	0.010	0.254	0.025 Jacket Color: Gray or Black	0.64	0.268	6.81
	5524G1	1 STP +4C (6/c)	solid	1000	305	31.0	14.1	0.010	0.254	0.025 Jacket Color: Black	0.64	0.244	6.20
Stranded Conductor 	5584G1	1 STP +2 PR (6/c)	solid	1000	305	36.0	16.3	0.010	0.254	0.025 Jacket Color: Black	0.64	0.283	7.20
	5541P1	2 STP (4/c)	7x30	1000	305	38.0	17.3	0.010	0.254	0.025 Jacket Color: Black	0.64	0.328	8.30

New Gen Waterdog Indoor/Outdoor Cables

Water-resistant unshielded multi-conductor — NEC CM and CEC CM FT1

Description	Part No.	AWG and # of Cond.	Stranding	Standard Lengths		Standard Unit Wt.		Insulation Thickness		Jacket Thickness		Nominal OD	
				Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
Stranded Tinned Copper Conductors • Overall water-blocking tape													
PVC Insulation • Gray or Black PVC Jacket with Rip Cord													
300V 105°C 	5300U1	18/2	7x26	U-500 500 U-1000 1000	U-152 152 U-305 305	12.0 13.5 22.0 24.0	5.5 6.1 10.0 10.9	0.010	0.254	0.025	0.64	0.207	5.26
	5500U1	22/2	7x30	1000	305	16.0	7.3	0.010	0.254	0.025	0.64	0.185	4.70
	5502U1	22/4	7x30	1000	305	23.0	10.5	0.010	0.254	0.025	0.64	0.206	5.23
	5504U1	22/6	7x30	1000	305	30.0	13.6	0.010	0.254	0.025	0.64	0.236	5.99

Ordering Information

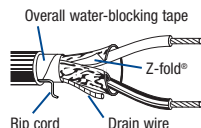
New Gen Waterdog Indoor/Outdoor Cables

Shielded multi-conductor — NEC CM and CEC CM FT1

Description	Part No.	AWG and # of Cond.	Stranding	Standard Lengths		Standard Unit Wt.		Insulation Thickness		Jacket Thickness		Nominal OD	
				Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

Stranded Tinned Copper Conductors • Overall Beldfoil® shield and drain wire • Overall water-blocking tape

PVC Insulation • Gray or Black PVC Jacket with Rip Cord

300V 105°C 	5500F1	22/2	7x30	1000	305	17.0	7.7	0.010	0.254	0.025	0.64	0.192	4.88
	5502F1	22/4	7x30	1000	305	25.0	11.4	0.010	0.254	0.025	0.64	0.217	5.51
	5504F1	22/6	7x30	1000	305	33.0	15.0	0.010	0.254	0.025	0.64	0.247	6.27
	5400F1	20/2	7x28	1000	305	21.0	9.5	0.010	0.254	0.025	0.64	0.206	5.23
	5300F1	18/2	7x26	1000	305	30.0	13.6	0.010	0.254	0.025	0.64	0.222	5.64

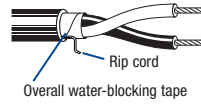
New Gen Waterdog PLTC and FPL Indoor/Outdoor Cables

Water-resistant unshielded multi-conductor – NEC CMG, FPL, PLTC-ER and CEC CMG FT4

Description	Part No.	AWG and # of Cond.	Stranding	Standard Lengths		Standard Unit Wt.		Insulation Thickness		Jacket Thickness		Nominal OD	
				Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

Stranded Tinned Copper Conductors • Overall water-blocking tape

PVC Insulation • Black or Red PVC Jacket with Rip Cord

300V 105°C 	1 Pair	5340U1	18/2	7x26	1000	305	30.0	13.7	0.010	0.254	0.025	0.64	0.227	5.77
	1 Quad	5302U1	18/4	7x26	1000	305	38.0	17.3	0.010	0.254	0.025	0.64	0.254	6.45
		5304U1	18/6	7x26	1000	305	64.0	29.1	0.010	0.254	0.042	1.07	0.316	8.03
	1 Pair	5240U1	16/2	7x24	1000	305	32.0	14.6	0.010	0.254	0.025	0.64	0.249	6.32
	1 Quad	5202U1	16/4	7x24	1000	305	54.0	24.6	0.010	0.254	0.025	0.64	0.291	7.39
	1 Pair	5140U1	14/2	19x27	1000	305	48.0	21.8	0.010	0.254	0.025	0.64	0.307	7.80
	1 Quad	5102U1	14/4	19x27	1000	305	78.0	35.5	0.010	0.254	0.025	0.64	0.341	8.66

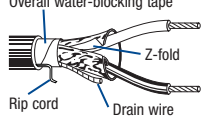
Waterdog PLTC and FPL Indoor/Outdoor Cables

Water-resistant shielded multi-conductor – NEC CMG, FPL, PLTC-ER and CEC CMG FT4

Description	Part No.	AWG and # of Cond.	Stranding	Standard Lengths		Standard Unit Wt.		Insulation Thickness		Jacket Thickness		Nominal OD	
				Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

Stranded Tinned Copper Conductors • Overall Beldfoil shield and drain wire • Overall water-blocking tape

PVC Insulation • Black or Red PVC Jacket with Rip Cord

300V 105°C 	1 Pair	5340F1	18/2	7x26	1000	305	35.0	15.9	0.010	0.254	0.025	0.64	0.232	5.89
	1 Quad	5302F1	18/4	7x26	1000	305	43.0	19.5	0.010	0.254	0.025	0.64	0.255	6.48
		5304F1	18/6	7x26	1000	305	69.0	31.4	0.010	0.254	0.042	1.07	0.319	8.10
	1 Pair	5240F1	16/2	7x24	1000	305	39.0	17.7	0.010	0.254	0.025	0.64	0.254	6.45
	1 Quad	5202F1	16/4	7x24	1000	305	61.0	27.7	0.010	0.254	0.025	0.64	0.295	7.49
	1 Pair	5140F1	14/2	19x27	1000	305	59.0	26.8	0.010	0.254	0.025	0.64	0.314	7.98

Ordering Information

New Gen Waterdog Indoor/Outdoor Cables

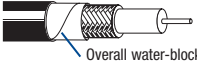
Water-resistant coaxial and coaxial plus twisted pair — NEC CM and CEC CM FT1

Part No.	AWG	Stranding and Conductor	Shield/Braid Coverage	Water-Blocking	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
					Inch	mm	Inch	mm	Ft.	mm	Lbs.	kg

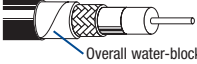
CATV—Bare copper conductor • Aluminum braid plus 100% foil shield • Water-blocking tape over braid or CoreGuard® grease

Foam Polythylene Insulation • Black PVC Jacket												
5339V5 CATV-RG-6/U	18	0.040" Solid BC	Duofoil + 60% AL Braid	Tape	0.180	4.57	0.277	7.04	1000	305	31.0	14.1
												
5339W5 CATV – RG-6/U	18	0.040" Solid BC	Duofoil + 60% AL Braid	CoreGuard	0.180	4.57	0.270	6.86	1000 U1000 500 U500	305 U305 152 U152	30.0 30.0 15.0 15.0	13.6 13.6 6.8 6.8
												

CCTV—Bare copper conductor • Bare copper braid shield • Water-blocking tape over braid

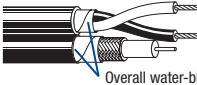
Foam Polythylene Insulation • Black PVC Jacket												
5439X5 CCTV-RG-59/U	20	0.032" Solid BC	95% BC Braid	Tape	0.145	3.68	0.244	6.20	1000	305	30.0	13.6
5339X5 CCTV – RG-6/U	18	0.040" Solid BC	95% BC Braid	Tape	0.180	4.57	0.277	7.04	1000	305	38.0	17.2
												

CCTV/MATV—Bare copper conductor • Tinned copper braid shield plus 100% foil shield • Water-blocking tape over braid or CoreGuard grease

Foam Polythylene Insulation • Black PVC Jacket												
5439V5 CCTV/MATV – RG-59/U	20	0.032" Solid BC	Duobond II + 95% TC Braid	Tape	0.145	3.68	0.239	6.07	1000	305	29.0	13.2
												
5439W5 CCTV/MATV – RG-59/U	20	0.032" Solid BC	Duobond + 95% TC Braid	CoreGuard	0.145	3.68	0.236	6.07	1000 U1000 500	305 U305 152	24.0 24.0 12.0	10.9 10.9 5.4
												

CCTV + Power— Coax: Solid bare copper conductor • Foam PE insulation • Bare copper braid shield • Water-blocking tape over braid

Pair: Stranded bare copper • PVC insulation • Overall water-blocking tape

Black PVC Jackets • Pair Color-coded Black and Red												
5399X5 CCTV – RG-6/U	18(cx) 16(pr)	Solid BC 7/w BC	95% BC unshielded	Tape Tape	0.180 0.077	4.57 1.96	0.279 X 0.549	7.10 X 13.94	1000	305	68.0	30.8
5499X5 CCTV – RG-59/U	20(cx) 18(pr)	Solid BC 7/w BC	95% BC unshielded	Tape Tape	0.145 0.068	3.68 1.73	0.249 X 0.497	6.32 X 12.6	1000	305	59.0	26.8
												

BC= Bare Copper • PE = Polyethylene • TC = Tinned Copper