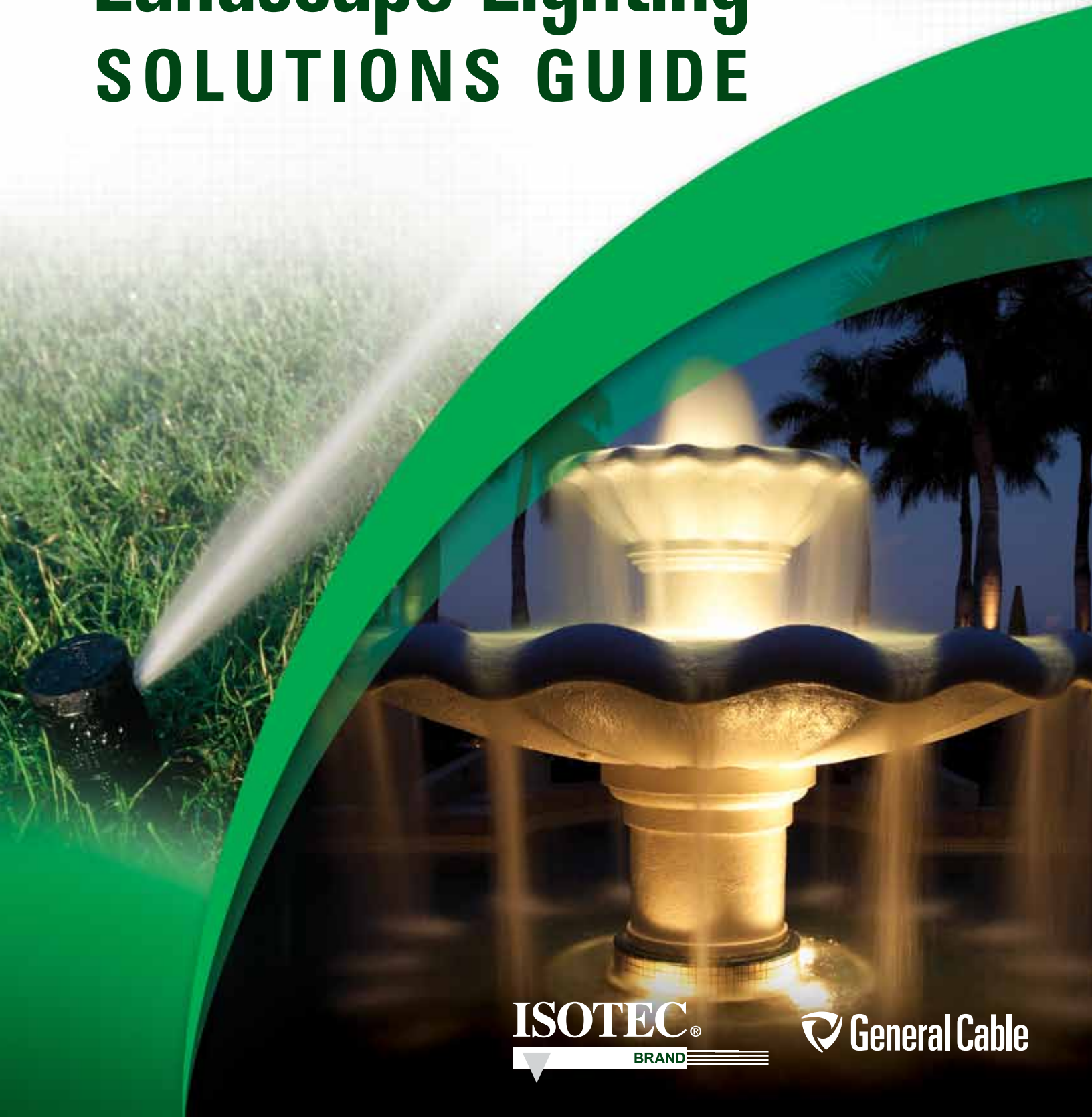


Irrigation & Landscape Lighting SOLUTIONS GUIDE



ISOTEC®
BRAND

 **General Cable**

Irrigation & Landscape Lighting SOLUTIONS GUIDE

General Cable's Isotec® Brand Irrigation & Landscape Lighting cables cover a broad range of commonly used and inventoried wire and cable products for the irrigation distributor, further enhancing a strong product portfolio.

In addition to Isotec's standard Irrigation & Landscape Lighting product offering, General Cable has the capability to manufacture all of the various constructions of control and decoder cables, including Hunter, Maxi and Toro. We are an excellent source for a wide variety of other specialty constructions, including stranded direct burial control cables and flexible portable cord.

Founded in 1991, the Isotec Brand has been a chosen name in the Irrigation and Landscape Lighting markets, providing a product line of the utmost quality and innovation. All Isotec wire and cable is made from the finest materials and manufactured with the latest high-tech equipment. Isotec believes in making it right the first time, every time.

All Isotec Irrigation & Landscape Lighting cables are manufactured in the U.S.A. and shipped direct from stock with a professional national sales team in place to bring you the best quality, competitively priced products available.

Underground Low-Voltage Sprinkler Wire 18 AWG Multi-Conductor PE Insulated, S-R PVC Jacketed



ISOTEC PART NUMBER	NO. OF COND.	NOM. INS. THICKNESS INCHES	JACKET THICKNESS INCHES	NOMINAL O.D. INCHES	WEIGHT PER MFT
182IRRA-00	2	.016	.025	.183	21
183IRRA-00	3	.016	.025	.216	29
184IRRA-00	4	.016	.025	.236	37
185IRRA-00	5	.016	.025	.250	45
186IRRA-00	6	.016	.025	.266	52
187IRRA-00	7	.016	.025	.280	59
188IRRA-00	8	.016	.025	.300	67
1810IRRA-00	10	.016	.025	.327	81
1812IRRA-00	12	.016	.025	.355	96
1813IRRA-00	13	.016	.025	.368	104

Applications:

- For use in wiring irrigation control systems where cable must be suitable for direct burial
- Low-voltage golf course satellite sprinkler control
- Residential sprinkler solenoid control

Standard Put-Ups:

- 250'
- 500'
- 1000'
- 2500'

Standard Color Code:

- Black jacket
- Refer to Color Code Chart on back for insulation

Communication & Control Cable 18 & 20 AWG Multi-Paired, PE Insulated



ISOTEC PART NUMBER	NO. OF COND.	AWG/STRANDING	INSULATION THICKNESS & TYPE	JACKET THICKNESS & TYPE	NOMINAL O.D. INCHES
182PBCC Hunter Control Systems	Shld. 2 PR w/20 AWG Stranded T.C. Drain	18 (16 x 30) Tinned Copper	.016" Polyethylene	.040" PVC	.300
C6061A	Individually Shld. 3 PR w/20 AWG Stranded T.C. Drain	10/30 Tinned Copper	.013" Polypropylene	.047" Polyethylene	.340

Applications:

- For use with golf course irrigation control systems

Standard Put-Ups:

- 500'
- 1000'

Standard Color Code:

- Black jacket
- Refer to Color Code Chart on back for insulation

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Decoder Cable



ISOTEC PART NUMBER	NO. OF COND.	AWG/STRANDING*	INSULATION THICKNESS & TYPE	JACKET THICKNESS & TYPE	NOMINAL O.D. INCHES
142DBCC	2 Cond. Parallel	14 (Solid) Tinned Copper	.060" PVC	.045" Polyethylene	.285 x .470
122DBCC	2 Cond. Parallel	12 (Solid) Tinned Copper	.060" PVC	.045" Polyethylene	.300 x .505

*Other AWG sizes available upon request.

Applications:

- For use with golf course irrigation control systems

Standard Put-Ups:

- 2500'

Standard Color Code:

- Various jacket colors
- Red and black insulation

Submersible Pump Cable 600 V Multi-Conductor, PVC Insulated



ISOTEC PART NUMBER	NO. OF COND.	NOM. INS. THICKNESS INCHES	JACKET THICKNESS INCHES	NOMINAL O.D. INCHES
143SPC1	14 (Solid)	3	0.060	93
123SPC1	12 (Solid)	3	0.060	120
103SPC1	10 (Solid)	3	0.060	162

Applications:

- For use within well casing supplying power to submersible pumps
- Maximum conductor operating temperature of 75°C in circuits not exceeding 600 V

Standard Put-Ups:

- 500'
- 2500'

Standard Color Code:

- Black, red, yellow

Underground Feeder (UF) Cable 600 V Single Conductor, PVC Insulated



ISOTEC PART NUMBER	AWG/STRANDING	INSULATION THICKNESS INCHES	NOMINAL O.D. INCHES	WEIGHT PER MFT
181UF*	18 (Solid)	0.045	0.134	13
161UF*	16 (Solid)	0.045	0.144	17
141UF	14 (Solid)	0.060	0.186	28
121UF	12 (Solid)	0.060	0.205	37
101UF	10 (Solid)	0.060	0.225	52

Note: PE UF cable is available upon special request. Please consult customer service.

Applications:

- For use in irrigation as described in Article 339 of the National Electric Code (NEC)
- 18 AWG and 16 AWG are not permitted to be UL Listed as Type UF*

Standard Put-Ups:

- 500'
- 1000'
- 2500'

Standard Colors:

- Please consult customer service for information on available colors

Underground Low-Voltage Landscape Lighting Cable 150 V Flat Parallel, PVC Insulated



ISOTEC PART NUMBER	AWG/STRANDING	NOM. INS. THICKNESS INCHES	NOMINAL O.D. INCHES	WEIGHT PER MFT
182ULC-00	18 16/30 B/C	0.041	.209 X .145	26
162ULC-00	16 26/30 B/C	0.041	.315 X .155	36
142ULC-00	14 41/30 B/C	0.041	.350 X .170	46
122ULC-00	12 65/30 B/C	0.041	.390 X .195	86
102ULC-00	10 105/30 B/C	0.062	.470 X .240	122
802ULC-00	8 133/.0125 B/C	0.078	.630 X .316	199

Applications:

- For use in wiring low-voltage outdoor landscape lighting and security lighting circuits where cable must be suitable for direct burial

Standard Put-Ups:

- 250'
- 500'
- 1000'

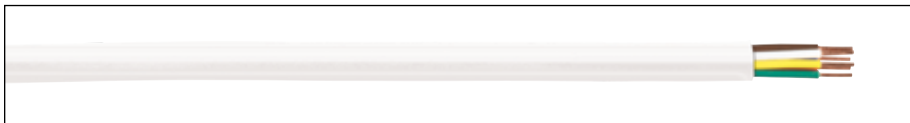
Standard Jacket Color:

- Black

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Thermostat Wire 20 & 18 AWG, 150 V Multi-Conductor, PVC Insulated & Jacketed



ISOTEC PART NUMBER	NO. OF COND.	NOM. INS. THICKNESS INCHES	NOMINAL O.D. INCHES	STANDARD CARTON
20 AWG, SOLID BARE COPPER				
05482	2	.008	.126	1000'
05483	3	.008	.133	1000'
05484	4	.008	.142	500'
05485	5	.008	.160	500'
05486	6	.008	.175	500'
05487	7	.008	.175	500'
05488	8	.008	.189	500'
05489	9	.008	.204	500'
05481	10	.008	.222	250'
18 AWG, SOLID BARE COPPER				
05582	2	.008	.142	1000'
05583	3	.008	.150	1000'
05584	4	.008	.165	500'
05585	5	.008	.181	500'
05586	6	.008	.208	500'
05587	7	.008	.208	500'
05588	8	.008	.225	500'
05589	9	.008	.243	500'
05581	10	.008	.264	250'

Applications:

- For use in wiring low-voltage circuits requiring a jacketed multi-conductor cable
- UL Listed as Type CL2

Insulation:

- Premium-grade, color-coded PVC

Jacket:

- Polyvinylchloride (PVC), white
- Temperature range: -20°C to +105°C

Jacket Marking:

- CAROL AWG TYPE CL2 E# (UL) 105°C SUNLIGHT RESISTANT - MADE IN USA

Standard Put-Ups:

- 250'
- 500'
- Other put-ups available on special order

Standard Color Code:

- White jacket
- Refer to Color Code Chart below for insulation

Ground Wire Bare Copper



ISOTEC PART NUMBER	AWG/STRANDING	NOMINAL O.D. INCHES	WEIGHT PER MFT
W10000	10 (Solid)	0.101	33
W08350	8 (19 X .0295)	0.144	50
W06300	6 (19 X .0372)	0.181	82
W04350	4 (19 X .0469)	0.235	129
W02350	2 (19 X .0591)	0.296	205

Applications:

- For use where uninsulated bare copper conductor is required for grounding

Power Supply Cord (Pigtail) 300 V, 3 Conductor Grounded, Type SPT-3

CATALOG NUMBER	CORD TYPE	NO. OF COND.	AWG SIZE	LENGTH OF CORD (FT)	JACKET COLOR	POWER RATING			NEMA CONFIG.	PLUG CONFIG.
						VOLTS	AMPS	WATTS		
04103.73.10	SPT-3	3	16	3	Gray	125	10	1250	5-15P	Right Angle
04106.73.10	SPT-3	3	16	6	Gray	125	10	1250	5-15P	Right Angle
04803.73.10	SPT-3	3	16	3	Gray	125	10	1250	5-15P	Straight
04806.73.10	SPT-3	3	16	6	Gray	125	10	1250	5-15P	Straight

COLOR CODE CHART

CONDUCTOR	1	2	3	4	5	6	7	8	9	10	11	12	13
COLOR	Red	White	Green	Blue	Yellow	Brown	Orange	Black	Pink	Gray	Tan	Purple	Clear



Applications:

- For replacement use

Standard Jacket Color:

- Gray PVC



4 Tesseneer Drive, Highland Heights, KY 41076-9753
 Phone: 1.847.299.9299
 1.859.572.8000
 Fax: 1.847.795.8770
 www.generalcable.com
 www.isotecwire.com
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