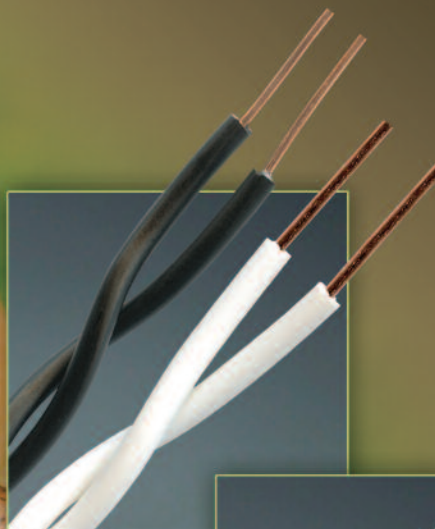




Underground Pet Fence Wire



877/878-WIRE • 847/726-7544 FAX
847/726-2910 • www.industwire.com
66 N. Buesching Rd • Lake Zurich, IL 60047



UNDERGROUND PET FENCE WIRE

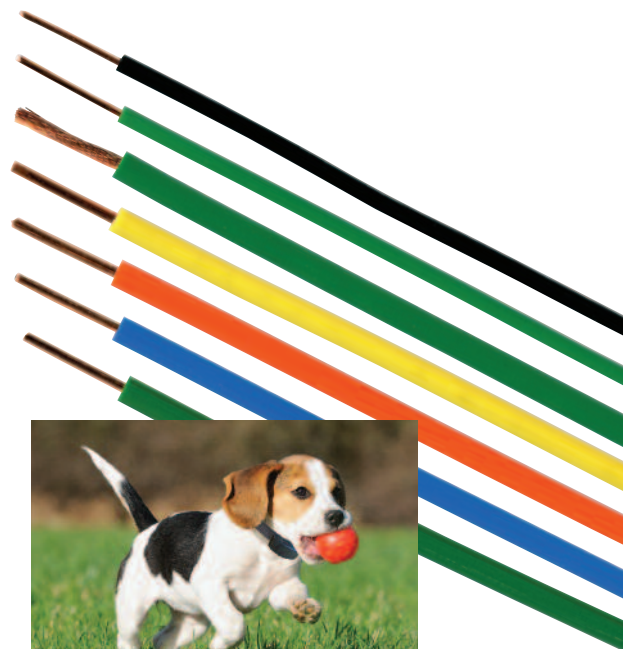
Industrial Wire & Cable II Corp. (IWC2) manufactures **Underground Pet Fence Wire** using only the finest raw materials. From our .030" Standard Wall up to our toughest .060" Extra-Heavy Wall, IWC2 pet containment wire is designed and manufactured to meet any customer's specification. **High Molecular Weight Polyethylene (HMWPE)** insulated, solid or stranded copper conductor, for use as a perimeter or locating wire. Direct burial wire rated 75°C, 300V for wet or dry locations. **HMWPE** insulation is formulated to provide excellent oxidative stability, toughness, and abrasion resistance. Also provides superior environmental and thermal stress-cracking resistance.

STANDARD WALL (.030" Insulation)

Manufactured with .030" HMWPE insulation providing strength and protection for direct burial.

IWC2 PART NUMBER	AWG/ STRANDING	COND. DIA. (INCHES)	NOM. COND. WT. (LBS/1,000')	NOM. FIN. O.D. (INCHES)	APX. FIN. WT. (LBS/1,000')
A20SLB020PET*	20 (Solid) BC	.032	3.1	.072	4.6
A20SLB030PET	20 (Solid) BC	.032	3.1	.092	5.6
A18SLB030PET	18 (Solid) BC	.040	4.9	.100	8.2
A18SRB030PET	18 (Stranded) BC	.046	5.0	.106	8.4
A16SLB030PET	16 (Solid) BC	.051	7.8	.111	11.5
A16SRB030PET	16 (Stranded) BC	.059	8.0	.119	12.1
A14SLB030PET	14 (Solid) BC	.064	12.4	.124	16.8
A14SRB030PET	14 (Stranded) BC	.072	12.7	.132	17.3
A12SLB030PET	12 (Solid) BC	.081	19.8	.141	25.0
A12SRB030PET	12 (Stranded) BC	.092	20.0	.152	26.0

- Customer Branding and Packaging available
- Custom color and printing can be manufactured to meet customer specifications
- Standard 1,000 ft. Reels
- *20 AWG available with .020" HMWPE insulation - Not UL Listed



HEAVY WALL (.045" Insulation)

Manufactured with .045" HMWPE insulation to provide added strength and protection.

IWC2 PART NUMBER	AWG/ STRANDING	COND. DIA. (INCHES)	NOM. COND. WT. (LBS/1,000')	NOM. FIN. O.D. (INCHES)	APX. FIN. WT. (LBS/1,000')
A18SLB045PET	18 (Solid) BC	.040	4.9	.130	10.2
A18SRB045PET	18 (Stranded) BC	.046	5.0	.136	10.6
A16SLB045PET	16 (Solid) BC	.051	7.8	.141	13.8
A16SRB045PET	16 (Stranded) BC	.059	8.0	.149	14.5
A14SLB045PET	14 (Solid) BC	.064	12.4	.154	19.2
A14SRB045PET	14 (Stranded) BC	.072	12.7	.162	19.7
A12SLB045PET	12 (Solid) BC	.081	19.8	.171	27.6
A12SRB045PET	12 (Stranded) BC	.092	20.0	.182	28.4

- Customer Branding and Packaging available
- Custom color and printing can be manufactured to meet customer specifications
- Standard 1,000 ft. Reels



EXTRA-HEAVY WALL (.060" Insulation)

Manufactured with a .060" HMWPE insulation thickness to provide maximum durability and toughness. For use in rugged or rocky terrain giving improved protection from gnawing rodents and other animals.

IWC2 PART NUMBER	AWG/ STRANDING	COND. DIA. (INCHES)	NOM. COND. WT. (LBS/1,000')	NOM. FIN. O.D. (INCHES)	APX. FIN. WT. (LBS/1,000')
A18SLB060PET	18 (Solid) BC	.040	4.9	.160	13.0
A18SRB060PET	18 (Stranded) BC	.046	5.0	.166	13.6
A16SLB060PET	16 (Solid) BC	.051	7.8	.171	16.9
A16SRB060PET	16 (Stranded) BC	.059	8.0	.179	17.8
A14SLB060PET	14 (Solid) BC	.064	12.4	.184	22.5
A14SRB060PET	14 (Stranded) BC	.072	12.7	.192	23.2
A12SLB060PET	12 (Solid) BC	.081	19.8	.201	31.4
A12SRB060PET	12 (Stranded) BC	.092	20.0	.212	32.4

- Customer Branding and Packaging available
- Custom color and printing can be manufactured to meet customer specifications
- Standard 1,000 ft. Reels



TWISTED PAIR

A construction of two single conductor Underground Pet Fence Wires twisted together to form a pair, enabling each wire to cancel the other wire's signal. Twisted Pairs are manufactured with .020" or .030" HMWPE insulation in gauge sizes from 20 thru 14 AWG.

IWC2 PART NUMBER	AWG/ STRANDING	APX. TWISTS PER FOOT	NOM. COND. WT. (LBS/1,000')	AVG. FIN. O.D. (INCHES)	APX. FIN. WT. (LBS/1,000')
A20/2TPSLB020	20 (Solid) BC	16.0	6.2	.119	9.2
A20/2TPSRB020	20 (Stranded) BC	16.0	6.3	.127	9.4
A20/2TPSLB030	20 (Solid) BC	9.6	6.2	.152	11.2
A20/2TPSRB030	20 (Stranded) BC	9.6	6.3	.160	11.5
A18/2TPSLB030	18 (Solid) BC	8.0	10.0	.165	16.4
A18/2TPSRB030	18 (Stranded) BC	8.0	10.5	.175	16.8
A16/2TPSLB030	16 (Solid) BC	8.0	16.0	.183	23.0
A16/2TPSRB030	16 (Stranded) BC	8.0	16.5	.196	24.2
A14/2TPSLB030	14 (Solid) BC	6.0	26.1	.205	34.0
A14/2TPSRB030	14 (Stranded) BC	6.0	26.7	.221	35.0

- Customer Branding and Packaging available
- Custom color and printing can be manufactured to meet customer specifications
- Standard 500 ft. Reels



PET FENCE WIRE YOU CAN TRUST...

Polyethylene Insulated
U.L. Listed
Perimeter Wire



Underground Locating Wire
E151077
Sunlight Resistant

STANDARD SPECIFICATIONS FOR COPPER CONDUCTOR

- (1) ASTM B 3 – 01 Soft or Annealed Copper Wire
 (2) ASTM B 174 – 95 Specification for Bunch-Stranded Copper Conductors for Electrical Conductors

INSULATION MATERIAL

High-Molecular Weight Polyethylene (HMWPE)

PROPERTIES	TEST METHODS	TYPICAL VALUES
Density, 23°C	ASTM D 792	0.945 g/cm ³
Tensile Strength	ASTM D 638	3400 psi (23.4 MPa)
Tensile Strength Retention after 48 hrs @ 100°C	ASTM D 638	90%
Tensile Elongation (Break)	ASTM D 638	500%
Tensile Elongation Retention after 48 hrs @ 100°C	ASTM D 638	90%
Brittleness Failures @ -76°C	ASTM D 746	0%
DC Volume Resistivity At 23°C	ASTM D 257	>1.0E+15 ohm-cm

SINGLE WIRE PET FENCE REEL SIZE

DESCRIPTION	500 FT REEL	1,000 FT REEL	1,500 FT REEL	2,000 FT REEL	2,500 REEL
20 (Solid) .020"	6 1/2" X 2" Plastic	6 1/2" X 3" Plastic	6 1/2" X 4" Plastic	6 1/2" X 6" Plastic	6 1/2" X 6" Plastic
20 (Solid) .030"	6 1/2" X 3" Plastic	6 1/2" X 6" Plastic	10 1/2" X 4" Plastic	10 1/2" X 4" Plastic	10 1/2" X 4" Plastic
18 (Solid) .030"	6 1/2" X 3" Plastic	6 1/2" X 6" Plastic	10 1/2" X 4" Plastic	10 1/2" X 6" Plastic	10 1/2" X 6" Plastic
18 (Solid) .045"	6 1/2" X 6" Plastic	10 1/2" X 4" Plastic	10 1/2" X 4" Plastic	10 1/2" X 6" Plastic	10 1/2" X 9" Plastic
18 (Solid) .060"	10 1/2" X 4" Plastic	10 1/2" X 6" Plastic	10 1/2" X 9" Plastic	12" X 10" Wood	14" X 10" Wood
18 (Stranded) .030"	6 1/2" X 4" Plastic	6 1/2" X 6" Plastic	10 1/2" X 4" Plastic	10 1/2" X 6" Plastic	10 1/2" X 6" Plastic
18 (Stranded) .045"	6 1/2" X 6" Plastic	10 1/2" X 4" Plastic	10 1/2" X 4" Plastic	10 1/2" X 6" Plastic	10 1/2" X 9" Plastic
18 (Stranded) .060"	10 1/2" X 4" Plastic	10 1/2" X 6" Plastic	10 1/2" X 9" Plastic	12" X 10" Wood	14" X 10" Wood
16 (Solid) .030"	6 1/2" X 4" Plastic	10 1/2" X 4" Plastic	10 1/2" X 4" Plastic	10 1/2" X 6" Plastic	10 1/2" X 6" Plastic
16 (Solid) .045"	6 1/2" X 6" Plastic	10 1/2" X 4" Plastic	10 1/2" X 6" Plastic	10 1/2" X 9" Plastic	10 1/2" X 9" Plastic
16 (Solid) .060"	10 1/2" X 4" Plastic	10 1/2" X 9" Plastic	12" X 10" Wood	12" X 12" Wood	14" X 10" Wood
16 (Stranded) .030"	6 1/2" X 6" Plastic	10 1/2" X 4" Plastic	10 1/2" X 4" Plastic	10 1/2" X 6" Plastic	10 1/2" X 9" Plastic
16 (Stranded) .045"	6 1/2" X 6" Plastic	10 1/2" X 4" Plastic	10 1/2" X 9" Plastic	10 1/2" X 9" Plastic	12" X 10" Wood
16 (Stranded) .060"	10 1/2" X 4" Plastic	10 1/2" X 9" Plastic	12" X 10" Wood	12" X 12" Wood	14" X 10" Wood
14 (Solid) .030"	6 1/2" X 6" Plastic	10 1/2" X 4" Plastic	10 1/2" X 4" Plastic	10 1/2" X 6" Plastic	10 1/2" X 9" Plastic
14 (Solid) .045"	10 1/2" X 4" Plastic	10 1/2" X 6" Plastic	10 1/2" X 9" Plastic	12" X 10" Wood	12" X 12" Wood
14 (Solid) .060"	10 1/2" X 4" Plastic	10 1/2" X 9" Plastic	12" X 10" Wood	14" X 10" Wood	14" X 12" Wood
14 (Stranded) .030"	6 1/2" X 6" Plastic	10 1/2" X 4" Plastic	10 1/2" X 4" Plastic	10 1/2" X 6" Plastic	12" X 10" Wood
14 (Stranded) .045"	10 1/2" X 4" Plastic	10 1/2" X 6" Plastic	10 1/2" X 9" Plastic	12" X 10" Wood	12" X 12" Wood
14 (Stranded) .060"	10 1/2" X 4" Plastic	10 1/2" X 9" Plastic	12" X 10" Wood	14" X 10" Wood	14" X 12" Wood

TWISTED PAIR REEL SIZE

DESCRIPTION	500 FT PUT-UPS
20 (Solid) .020"	6 1/2" X 4" Plastic
20 (Solid) .030"	6 1/2" X 4" Plastic
18 Solid .030"	10 1/2" X 4" Plastic
18 Stranded .030"	10 1/2" X 4" Plastic
16 Solid .030"	10 1/2" X 4" Plastic
16 Stranded .030"	10 1/2" X 4" Plastic
14 Stranded .030"	10 1/2" X 9" Plastic



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