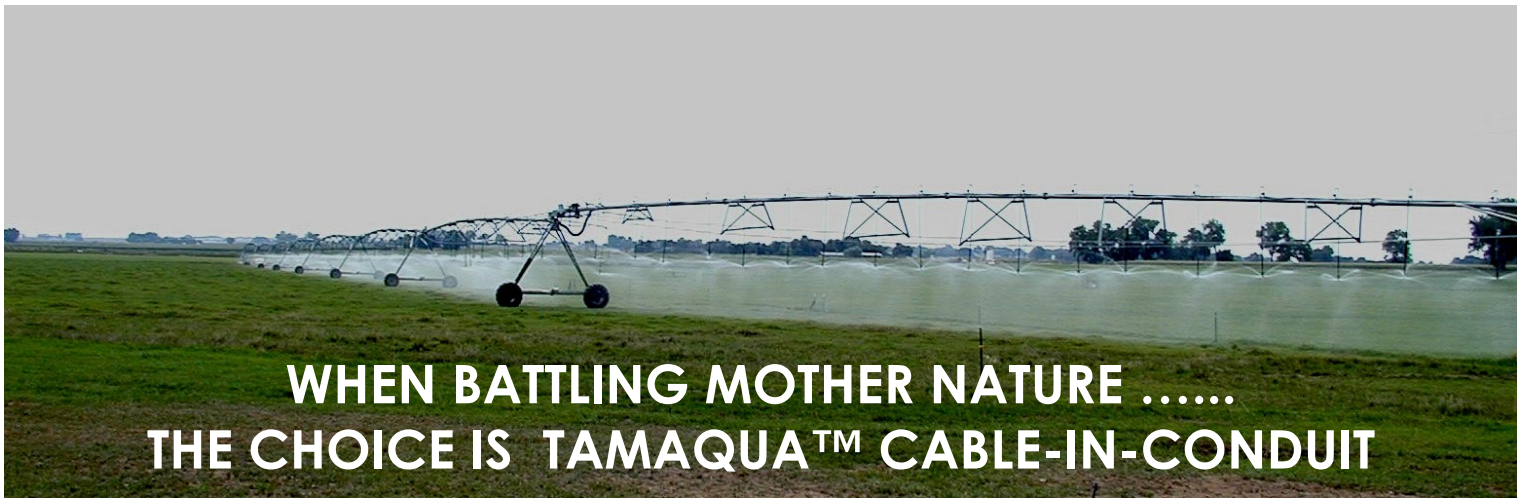
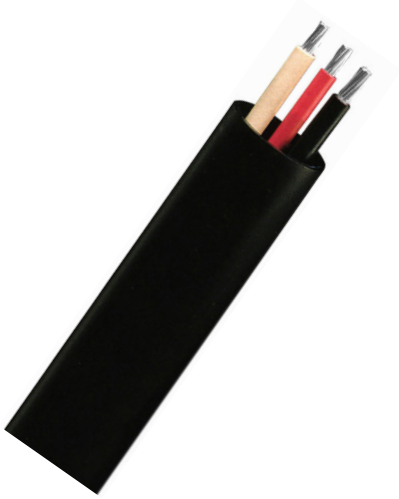


WHEN BATTLING MOTHER NATURE ……
THE CHOICE IS TAMAQUA™ CABLE-IN-CONDUIT



Cable-in-Conduit (CIC) not only provides extra mechanical protection during installation, it also can prevent rodent damage to your irrigation power and control conduit, reducing down time and protecting crops.

The entire purpose of installing a center pivot irrigation system is to insure adequate watering in the event of a drought. Installing a **Cable-in-Conduit System,** adds extra protection to this very valuable tool. Why cut corners on a system by installing an unprotected or poorly protected power and control cable and risk losing your entire system to something as preventable as rodent or gopher damage?

USE TAMAQUA™ CABLE-IN-CONDUIT AND PREVENT DOWN TIME

A pre-installed CIC system is **reliable, durable** and minimizes the chance of irrigation failures due to damages caused by rodent attacks or chemical deterioration. Duct size and a smooth wall characteristic make Tamaqua CIC virtually gopher resistant. Continuous length CIC, is manufactured by Tamaqua without couplings and splices and prevents moisture from entering the system. The High Density Polyethylene composition resists abrasion, moisture, salts, as well as other soil-induced chemicals. The pre-installed cables within remain protected. The simple fact is that the system remains safe from the environment.

TAMAQUA™ CIC CAN BE ORDERED TO SPECIFIC CUT LENGTHS

Tamaqua CIC is available in the exact lengths, conductor size and type, preventing waste. The conductors are actually installed as the duct is formed creating a free flowing system. This allows for future upgrades and/or cable replacement if required without installing another duct. **Tamaqua CIC is flexible and easy to use,** CIC is provided on reels and can be installed in an open trench or by a cable plow saving labor during installation.

Isn't it time you protected your irrigation investment with TAMAQUA™ Cable-in-Conduit ?

Call
today

570-385-4381
or
800-233-3190

One Tamaqua Blvd.
Schuylkill Haven, PA 17972
www.drakausa.com

Draka

SPECIFICATIONS:

Class B stranded aluminum conductors per **ASTM B231**

The **insulation** is thermosetting cross linked polyethylene. Conductors lay parallel. Insulation and thickness is in accordance with Underwriter's Laboratory and **National Electric Code** requirements for types **RHH, RHW and USE**. It combines outstanding resistance to heat and water with exceptional resistance to chemicals, abrasion, crush and weathering and meets the applicable requirements of **UL Standard 44, 854, ICEA S-95-658.**

The **conduit** is a black High Density Type III, **Grade PE 33** polyethylene compound with outstanding resistance to corrosion, rust, chemicals, weather, sunlight and is impervious to electrolytic environments. The strength and abrasive resistance, combined with **excellent aging characteristics**, make a long lasting protection for the cable construction.

DIMENSIONS

Duct Size	Outside Diameter	Nominal Wall	Nominal ID	Weight Mft
1	1.315	0.143	1.029	228
1.25	1.660	0.150	1.360	308
1.5	1.90	0.155	1.590	367
2	2.375	0.164	2.047	500
2.5	2.875	0.215	2.445	778

CONDUCTOR PROPERTIES

Size AWG	DC Resistance @ 75°C	Size AWG	DC Resistance @ 75°C
18	12.8	3/0	.126
18	13.1	4/0	.100
16	8.05	250	.0847
16	8.21	300	.0707
14	5.06	350	.0605
14	5.17	400	.0529
12	3.18	500	.0424
12	3.25	600	.0353
10	2.00	700	.0303
10	2.04	750	.0282
8	1.26	800	.0265
8	1.28	900	.0235
6	.808	1000	.0212
4	.508	1250	.0169
3	.403	1500	.0141
2	.319	1750	.0121
1	253	2000	.0106
1/0	.201		
2/0	.159		

Full Load Current

Three Phase Alternating Current Motors
Induction Type Squirrel Cage and Wound Motor Amperes

HP	115V	200V	208V	230V	460V	575	2300
½	4	2.3	2.2	2	1	8	
¾	5.6	3.2	3.1	2.8	1.4	1.1	
1	7.2	4.1	4.0	3.6	1.8	1.4	
1½	10.4	6.0	5.7	5.2	2.6	2.1	
2	13.6	7.8	7.5	6.8	3.4	2.7	
3		11.0	10.6	9.6	4.8	3.9	
5		17.5	16.7	15.2	7.6	6.1	
7½		25.3	24.2	22.0	11.0	9.0	
10		32.2	30.8	28.0	14	11	
15		48.3	46.2	42	21	17	
20		62.1	59.4	54	27	22	
25		78.2	74.8	68	34	27	
30		92.0	88.0	80	40	32	
40		119.6	114.4	104	52	41	
50		149.5	143.0	130	65	52	
60		177.1	169.4	154	77	62	16
75		220.8	211.2	192	96	77	20
100		285.2	272.8	248	124	99	26
125		358.8	343.2	312	156	125	31
150		414.0	396.0	360	180	144	37
200		552.0	528.0	480	240	192	49

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