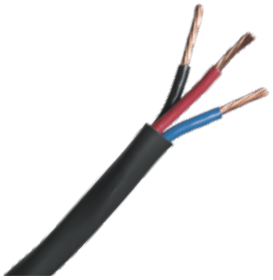
Paige
WATER & OUTDOOR
A GCG COMPANY

P7266D
Control or Instrumentation Cable (18AWG-10AWG)



1.0 SCOPE

1.1 Description

1.1.1 Type TC-ER multi-conductor cables have a PVC/ Nylon insulation with an overall gas and oil resistant PVC jacket.

1.2 Standards Compliance

1.2.1 UL Listed as TC-ER-JP per UL Standard 1277* Rated -39°C to 90°C, OSHA Acceptable, NEC Articles 392 & 336, CSA FT4, IEEE 1202 70,000 BTU Flame Test, ASTM - All Applicable Standards, *UL 1277 requires a ground or three conductors to be rated ER

2.0 CONSTRUCTION

2.1 Conductor

2.1.1 Material: Bare, soft annealed copper per ASTM B-3 18 and 16AWG: Bunch stranded, class K (.010" #30 strands) ASTM B-174 and UL-62 paragraph 8.1

14, 12 and 10AWG (THHN/THWN): Concentric stranded, class C (19 strands) ASTM B-8 and UL-83 table 4.1

2.1.2 Conductor Jacket: Nylon, Thickness: Per UL 83 table 13 for THHN/THWN, UL 66 paragraph 9.1 for TFN.

2.2 Construction: Stranded

2.2.1 Cabeling: Three or more conductors are assembled round with PVC fillers as needed. A tape binder is applied over the assembly. Two conductors are assembled flat parallel (round, with PVC fillers as needed, is available upon request).

2.3 Insulation

2.3.1 Material: PVC, Thickness: Per UL 83 table 10 for THHN/THWN, UL 66 table 4.7 for TFN.

2.4 Outer Jacket:

2.4.1 A black, flame resistant, Polyvinyl Chloride (PVC) jacket is extruded over the assembly. The surface profile shall approximate that of the interior assembly. A rip cord shall be inserted under the jacket for ease of stripping.

2.4.2 Markings: (size) AWG Type TC 90°C dry 75°C wet Sunlight Resistant 600V (UL) Direct Burial. Indent print on other side of jacket(number of conductors).

2.5 Electrical properties

2.5.1 Maximum Voltage: 600V

2.6 Temperature Rating

2.6.1 90°C dry, 75°C wet

CONDUCTOR DATA				
Size (AWG)	STRANDS NO /O.D. (INCHES)	PVC INSUL. (INCHES)	NYLON ARMOR (INCHES)	APPROX.O. D. (INCHES)
18	16/.010	.015	.004	.091
16	26/.010	.015	.004	.103
14	19/.0147	.015	.004	.119
12	19/.0185	.015	.004	.137
10	19/.0234	.020	.004	.171

(Continued on next page)

908-687-7810
paigewater.com

200 Sheffield Street, Suite 302
Mountainside, NJ 07092

The information and specifications described herein are subject to error or omission and to change without notice. Paige provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Paige be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Paige has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.
© 2026 Paige Electric Company, LP. All Rights Reserved. Released 09/26

Paige
WATER & OUTDOOR
A GCG COMPANY

P7266D Control or Instrumentation Cable (18AWG-10AWG) Cont.

	18AWG			16AWG			14AWG			12AWG			10AWG		
# of CRDS	OVERALL JACKET THICKNESS (MILS)	APPROX. OUTSIDE DIAMETER (INCHES)	APPROX. WEIGHT 1000 FT. (POUNDS)	OVERALL JACKET THICKNESS (MILS)	APPROX. OUTSIDE DIAMETER (INCHES)	APPROX. WEIGHT 1000 FT. (POUNDS)	OVERALL JACKET THICKNESS (MILS)	APPROX. OUTSIDE DIAMETER (INCHES)	APPROX. WEIGHT 1000 FT. (POUNDS)	OVERALL JACKET THICKNESS (MILS)	APPROX. OUTSIDE DIAMETER (INCHES)	APPROX. WEIGHT 1000 FT. (POUNDS)	OVERALL JACKET THICKNESS (MILS)	APPROX. OUTSIDE DIAMETER (INCHES)	APPROX. WEIGHT 1000 FT. (POUNDS)
2 Flat	45	.20 x .29	41	45	.20 x .31	49	45	.22 x .34	64	45	.24 x .37	83	45	.27 x .44	115
2 Round	45	.29	46	45	.31	54	45	.34	71	45	.37	93	45	.45	127
3	45	.30	50	45	.32	66	45	.35	87	45	.39	113	45	.47	167
4	45	.32	60	45	.35	79	45	.39	107	45	.43	145	45	.52	212
5	45	.35	71	45	.38	94	45	.42	129	45	.47	175	60	.60	269
6	45	.38	85	45	.41	109	45	.46	147	45	.51	199	60	.65	317
7	45	.38	89	45	.41	118	45	.46	162	45	.51	223	60	.65	352
8	45	.40	99	45	.44	133	45	.49	184	60	.58	268	60	.70	399
9	45	.43	112	45	.47	147	60	.56	221	60	.62	304	60	.75	445
10	45	.45	121	45	.49	162	60	.58	237	60	.65	327	60	.78	490
11	45	.46	130	45	.51	176	60	.60	257	60	.67	357	60	.81	527
12	45	.47	156	45	.52	202	60	.61	281	60	.68	388	60	.83	579
13	45	.49	158	60	.57	217	60	.63	293	60	.71	413	80	.90	657
14	45	.50	160	60	.59	230	60	.65	316	60	.73	442	80	.93	706
15	45	.52	169	60	.60	243	60	.67	340	60	.75	466	80	.95	750
16	60	.56	192	60	.62	258	60	.69	356	60	.77	500	80	.98	795
17	60	.57	203	60	.63	274	60	.71	375	60	.80	530	80	1.01	844
18	60	.59	214	60	.65	284	60	.73	393	60	.82	558	80	1.03	893
19	60	.59	220	60	.65	296	60	.73	408	60	.82	581	80	1.03	918
20	60	.60	228	60	.67	310	60	.75	424	80	.88	647	80	1.06	975
21	60	.62	239	60	.68	327	60	.76	450	80	.90	680	80	1.08	1011
22	60	.63	251	60	.70	340	60	.78	469	80	.92	711	80	1.12	1058
23	60	.64	259	60	.71	353	60	.80	488	80	.94	738	80	1.14	1104
24	60	.64	268	60	.72	367	60	.81	508	80	.95	768	80	1.15	1151
25	60	.65	279	60	.73	379	60	.82	526	80	.97	796	80	1.17	1204
26	60	.66	287	60	.74	391	80	.88	582	80	.98	822	80	1.19	1238
27	60	.67	298	60	.75	405	80	.89	601	80	.99	850	80	1.20	1273
28	60	.67	306	60	.76	418	80	.90	621	80	1.01	880	80	1.23	1317
29	60	.69	314	60	.77	431	80	.91	640	80	1.02	907	80	1.24	1360
30	60	.69	325	60	.79	456	80	.93	666	80	1.05	938	80	1.27	1404
31	60	.71	333	60	.79	458	80	.94	679	80	1.05	964			
32	60	.71	343	60	.81	507	80	.95	698	80	1.07	992			
33	60	.72	353	60	.82	522	80	.97	718	80	1.09	1022			
34	60	.74	361	60	.83	536	80	.98	737	80	1.10	1050			
35	60	.74	371	80	.88	549	80	.99	756	80	1.11	1077			
36	60	.75	381	80	.89	564	80	1.01	780	80	1.13	1106			
37	60	.77	390	80	.89	580	80	1.01	794	80	1.13	1134			

The data listed above is approximate and subject to normal manufacturing tolerances. Specifications are subject to change without notice.

TO SPECIFY A SPECIFIC PART NUMBER ADD AWG SIZE, PLUS THE NUMBER OF CONDUCTORS TO THE PART NUMBER. FOR EXAMPLE: 3 CONDUCTORS, 8 AWG IS (P7266D)-8/3.

908-687-7810
paigewater.com
200 Sheffield Street, Suite 302
Mountainside, NJ 07092

The information and specifications described herein are subject to error or omission and to change without notice. Paige provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Paige be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Paige has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.
© 2026 Paige Electric Company, LP. All Rights Reserved. Released 09/26