

Aquaseal Water-Resistant

Process Control Cable

Power-Limited Tray Cable/300 Volt



Direct Burial

DESCRIPTION

- ASTM bare copper • PVC insulation with nylon • Twisted pair or cabled construction • Water blocked construction
- Overall 105° C sunlight and moisture resistant PVC jacket

RATING

- NEC type FPL & PLTC
- (UL) or (ETL)us Listed
- Direct Burial
- Meets 300 volt requirements as specified in Section 760 of the NEC

APPLICATIONS

Material suitable for outdoor use, and indoor trays, allows a variety of uses for:

- Low Voltage Industrial Process Control Circuits
- Power-Limited Circuits
- Power-Limited Fire Alarm Circuits
- Power-Limited Tray Cable PLTC

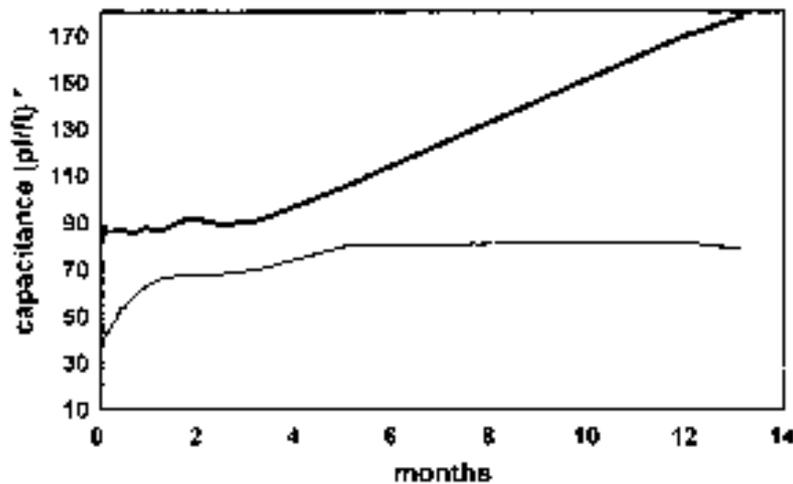
SPECIAL NOTES:

- Upon request other cable constructions are available with this new rating. Consult our Engineering Department for complete details.
- Orange ripcord under jacket

Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance	
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*
AQ224	1 Pair	18 (7x26) 6.2 Ω/M'	.015 PVC .005 Nylon	.38 .13	.035 .89	.270 6.86	25	82		
AQ244	4	18 (7x26) 6.2 Ω/M'	.015 PVC .005 Nylon	.38 .13	.040 1.02	.327 8.31	25	82		
AQ225	1 Pair	16 (7x24) 4.2 Ω/M'	.015 PVC .005 Nylon	.38 .13	.040 1.02	.295 7.49	28	92		
AQ245	4	16 (7x24) 4.2 Ω/M'	.015 PVC .005 Nylon	.38 .13	.040 1.02	.355 9.02	28	92		
AQ226	1 Pair	14 (19x27) 2.7 Ω/M'	.015 PVC .005 Nylon	.38 .13	.040 1.02	.310 7.87	32	105		
AQ246	1 Pair	14 (19x27) 2.7 Ω/M'	.015 PVC .005 Nylon	.38 .13	.040 1.02	.395 10.03	32	105		
AQ227	1 Pair	12 (19x25) 1.7 Ω/M'	.015 PVC .005 Nylon	.38 .13	.040 1.02	.340 8.64	36	118		

Standard pool size 1000 feet

*Capacitance between conductors.



*capacitance between conductors

The above results were achieved by completely submersing a ten foot sample of each cable in water at room temperature. In order to depict a "worst case" installation scenario and provide the opportunity for maximum water penetration, each cable had a 1/2 inch x 1/4 inch section of the jacket removed at 1 foot intervals.

COLOR CODE

All Cables
1. Black, 2. Red, 3. Brown, 4. Blue
JACKET: Black

Aquaseal Water-Resistant

Process Control Cable

DESCRIPTION

- ASTM bare copper • PVC insulation with nylon • Twisted pair or cabled construction • Overall shield 100% coverage of aluminum polyester foil with strd. TC drain wire • Water blocked construction • Overall 105° C sunlight and moisture resistant PVC jacket

300 Volt/Power-Limited Tray Cable



Direct Burial



Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**
AQ293	1 Pair	18 (7x26) 6.2 Ω/M' 18 Strd. T.C. Drain	.015 PVC .005 Nylon	.38 .13	.040 1.02	.310 7.87	32	105	58	190		
AQ3244	4	18 (7x26) 6.2 Ω/M' 18 Strd. T.C. Drain	.015 PVC .005 Nylon	.38 .13	.040 1.02	.371 9.42	32	105	58	190		
AQ294	1 Pair	16 (7x24) 4.2 Ω/M' 18 Strd. T.C. Drain	.015 PVC .005 Nylon	.38 .13	.040 1.02	.328 8.33	37	121	67	220		
AQ3245	4	16 (7x24) 4.2 Ω/M' 18 Strd. T.C. Drain	.015 PVC .005 Nylon	.38 .13	.050 1.27	.415 10.54	37	121	67	220		
AQ295	1 Pair	14 (19x27) 2.7 Ω/M' 18 Strd. T.C. Drain	.015 PVC .005 Nylon	.38 .13	.040 1.02	.350 8.89	46	151	83	272		
AQ296	1 Pair	12 (19x25) 1.7 Ω/M' 18 Strd. T.C. Drain	.015 PVC .005 Nylon	.38 .13	.040 1.02	.375 9.53	54	177	97	318		

RATING

- NEC type FPL & PLTC
- (UL) or (ETL)us Listed
- Direct Burial
- Meets 300 volt requirements as specified in Section 760 of the NEC

APPLICATIONS

Material suitable for outdoor use, and indoor trays, allows a variety of uses for:

- Low Voltage Industrial Process Control Circuits
- Power – Limited Circuits CL3
- Power – Limited Fire Alarm Circuits
- Power – Limited Tray Cable PLTC

SPECIAL NOTES:

- Orange ripcord under jacket

Standard spool size 1000 feet

*Capacitance between conductors.
**Capacitance between one conductor and the other connected to the shield.

COLOR CODE	
All Cables	1. Black, 2. Red, 3. Brown, 4. Blue
	JACKET: Black