

Process Control Cable

Tray Cable/Class 1 600 Volt

Multiple Pair Series Overall shielded



DESCRIPTION

- ASTM bare copper • PVC insulation with nylon
- PVC fillers as required • Polyester binders as required
- Twisted pair construction • Overall shield 100% coverage of aluminum polyester foil with 18 AWG strd. TC drain wire • Overall sunlight resistant PVC jacket

RATING

- UL listed NEC type TC
- Constructed in accordance with UL Standard 1277
- Complies with UL 1581 Vertical Tray Flame Test
- Temperature range:
–25° C to 90° C dry locations
75° C wet locations
- 600 volt class 1
- Approved for direct burial and outdoor use

APPLICATIONS

Tray cable in accordance with Article 340 and other applicable parts of the NEC for:

- Industrial Signaling and Process Control Circuits
- Class 1 Circuits as defined in Article 725
- Optional Use: Nonpower – Limited Fire Protective Signaling Circuit Cable as defined in Section 760 of the NEC

SPECIAL NOTES:

CAUTION: Aluminum polyester foil will deteriorate with prolonged exposure to moisture

- Orange ripcord under jacket

Catalog No.	No. of Pairs	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**
TC1801	1	18 (7x26) 6.2 Ω/M'	.016 PVC .005 Nylon	.40 .13	.047	1.19	.284	7.21	52	171	94	308
TC1802	2	18 (7x26) 6.2 Ω/M'	.016 PVC .005 Nylon	.40 .13	.047	1.19	.450	11.43	52	171	94	308
TC1803	3	18 (7x26) 6.2 Ω/M'	.016 PVC .005 Nylon	.40 .13	.047	1.19	.470	11.94	52	171	94	308
TC1804	4	18 (7x26) 6.2 Ω/M'	.016 PVC .005 Nylon	.40 .13	.047	1.19	.492	12.50	52	171	94	308
TC1806	6	18 (7x26) 6.2 Ω/M'	.016 PVC .005 Nylon	.40 .13	.062	1.57	.575	14.61	52	171	94	308

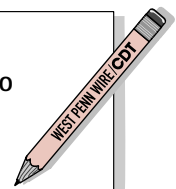
Standard spool size 1000 feet

*Capacitance between conductors.

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

Tech Tip:

- ✓ These cables can also be used for NPLF circuits per Article 760 of the NEC.



COLOR CODE

All
Cables

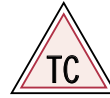
All pairs black and white numbered

JACKET: Black

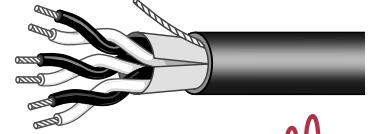
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			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**
TC1601	1	16 (7x24) 4.2 Ω/M'	.016 PVC .005 Nylon	.40 .13	.047	1.19	.310	7.87	57	187	103	338
TC1602	2	16 (7x24) 4.2 Ω/M'	.016 PVC .005 Nylon	.40 .13	.047	1.19	.455	11.56	57	187	103	338
TC1603	3	16 (7x24) 4.2 Ω/M'	.016 PVC .005 Nylon	.40 .13	.047	1.19	.510	12.95	57	187	103	338
TC1604	4	16 (7x24) 4.2 Ω/M'	.016 PVC .005 Nylon	.40 .13	.062	1.57	.590	14.99	57	187	103	338
TC1606	6	16 (7x24) 4.2 Ω/M'	.016 PVC .005 Nylon	.40 .13	.062	1.57	.690	17.53	57	187	103	338

Standard spool size 1000 feet

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