

ROME INSTRUMENTATION TRAY CABLE Type TC

Instrumentation Cable, Shielded, 600V, TC
 PVC with Nylon Insulation, Multiple Shielded Pairs, Overall Shield, PVC Jacket

APPLICATION: Indoor or outdoor use in process instrumentation, power control circuits, hazardous locations, programmable logic control, analog and digital signaling and direct burial/wet locations. Exceeds UL 1581, Section 1160, vertical tray flame test. Listed for use in cable trays and raceways. Rated 600 volts, -20°C to 90°C dry and 75°C wet.

RATINGS:
 UL 1277 - Type TC
 UL 62 - Type TFN
 UL 1581/IEEE 383 - 70,000 BTU
 ICEA T-29-520 - 210,000 BTU
 Sunlight resistant
 Direct Burial

NEC Articles:
 336 - Power & Control Tray Cable
 500 - Hazardous Locations
 300 - General Wiring
 392 - Cable Trays

CONSTRUCTION: 18 - 16 AWG stranded bare copper, PVC with nylon insulation, color coded, cabled, aluminum / polyester foil tape plus tinned copper drain shielded pairs, overall aluminum / polyester foil tape plus tinned copper drain, black PVC jacket, surface printed.

No. of Pairs	Size / Strands	Insulation Thickness Mils (PVC/Nylon)	Jacket Thickness Mils	Nominal OD Inches	Capacitance (pF / ft)	Approx. Net Wt. lb/1000 ft
1	18 7/Str	15/5	45	.314	39	69
2	18 7/Str	15/5	45	.449	39	120
3	18 7/Str	15/5	60	.565	39	183
4	18 7/Str	15/5	60	.610	39	226
6	18 7/Str	15/5	60	.735	39	318
8	18 7/Str	15/5	60	.814	39	428
10	18 7/Str	15/5	80	.943	39	556
12	18 7/Str	15/5	80	1.044	39	647
18	18 7/Str	15/5	80	1.190	39	898
25	18 7/Str	15/5	80	1.396	39	1220
1	16 7/Str	15/5	45	.343	40	91
2	16 7/Str	15/5	45	.495	40	161
3	16 7/Str	15/5	60	.622	40	244
4	16 7/Str	15/5	60	.673	40	306
6	16 7/Str	15/5	60	.814	40	462
8	16 7/Str	15/5	80	.943	40	625
10	16 7/Str	15/5	80	1.044	40	752
12	16 7/Str	15/5	80	1.158	40	891
18	16 7/Str	15/5	80	1.323	40	1268
25	16 7/Str	15/5	80	1.556	40	1701

- Notes:
1. Class 1 circuits as defined in Article 725.
 2. Class I, Division 2 Hazardous Locations per Article 501.4(B).
 3. Aerial use permitted w/messenger.
 4. Jacket is a gas/vapor tight continuous sheath.
 5. Drain wire one size smaller than circuit conductors.
 6. Pair identified with alpha numeric print.
 7. 2 pair construction use common axis cabling to reduce overall diameter.
 8. Nominal capacitance measured between conductors.

Color Code	No.	Color
	1	Black
	2	White

Information on this sheet subject to change without notice.