

ROME INSTRUMENTATION POWER LIMITED TRAY CABLE Type PLTC

Instrumentation Cable, Multiple Shielded Pairs, 300V
 PVC Insulation, Multiple Shielded Pairs, Overall Shield, PVC Jacket

APPLICATION: Indoor or outdoor use in industrial automation, hazardous locations, programmable logic control, fire/life safety building control circuits, analog and digital signaling, and outdoor above ground applications. Exceeds UL 1581, Section 1164-FT4 flame test for cables installed as general purpose wiring. Rated 300 volts and -20°C to 105°C, dry locations.

RATINGS:
 UL 13 - Type PLTC/CL3
 UL 1424 - Type FPL
 UL/IEEE 383-70,000 BTU
 ICEA T-29-520 - 210,000 BTU
 CSA C22.2 No. 0.3
 CSA C22.2 No. 214
 CSA - Type CMG

NEC Articles:
 725 - Remote Control, Signaling
 760 - Fire Alarm Systems
 500 - Hazardous Locations
 392 - Cable Trays

CONSTRUCTION: 18-16 AWG stranded bare copper, PVC insulation, color coded, polyester binder, 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	Jacket Thickness Mils	Nominal OD Inches	Capacitance (pF / ft)	Weight lb/1000 ft
2	18 7/Str	15	35	.261	51	54
4	18 7/Str	15	40	.382	51	98
6	18 7/Str	15	50	.475	51	145
8	18 7/Str	15	50	.513	51	180
12	18 7/Str	15	60	.637	51	268
24	18 7/Str	15	60	.863	51	514
36	18 7/Str	15	70	1.005	51	743
50	18 7/Str	15	70	1.178	51	991
2	16 7/Str	15	40	.300	57	76
4	16 7/Str	15	50	.448	57	143
6	16 7/Str	15	50	.532	57	198
8	16 7/Str	15	50	.576	57	252
12	16 7/Str	15	60	.716	57	374
24	16 7/Str	15	70	.997	57	740
36	16 7/Str	15	70	1.139	57	1053
50	16 7/Str	15	80	1.358	57	1456

- Notes:
1. Class 2 and 3 power-limited circuits as defined in Article 725.
 2. Class I, Division 2 Hazardous Locations per Article 501.4(B).
 3. Aerial use permitted with messenger.
 4. Jacket is a gas/vapor-tight continuous sheath.
 5. Pair identified with alpha/numeric print.
 6. Nominal capacitance measured between conductors.

Color Code	No.	Color
	1	Black
	2	White

Information on this sheet subject to change without notice.