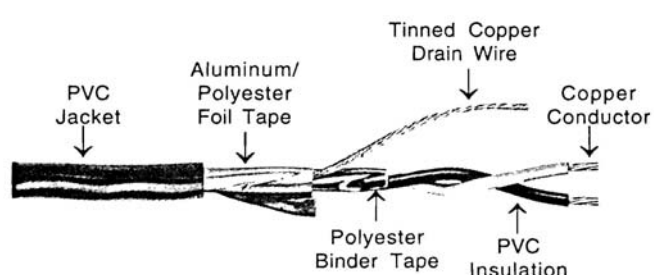


# INSTRUMENTATION POWER LIMITED TRAY CABLE Type PLTC (OS)

## Instrumentation Cable, Shielded, 300V

### PVC Insulation, Pair/Triad, Overall Shield, PVC Jacket

<p><b>APPLICATION:</b> Indoor or outdoor use in industrial automation, hazardous locations programmable logic control, fire/life safety systems, analog and digital signaling building control circuits 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</p> <p><b>RATINGS:</b>          UL13 - Type PTC/CL3          UL 1424 - Type FPL          UL 1581/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</p> <p><b>NEC Articles:</b>          725 - Remote Control, Signaling          760 - Fire Alarm Systems          500 - Hazardous Locations          392 - Cable Trays</p>				 <p><b>CONSTRUCTION:</b> 20-16 AWG stranded bare copper, PVC insulation, color coded, polyester binder, aluminum / polyester foil tape plus tinned copper drain, black PVC jacket, surface printed.</p>			
USAWC Part #	No of Pairs/Triads	Size / Strands	Insulation Thickness In.	Minimum Bend Radius In.	OD Inches	Copper Wt. lbs/1000 ft	Weight lbs/1000 ft
<b>20 AWG</b>							
20-01POSPLTC	1 PAIR	20 7/str	.035	2.5	.207	6.3	25
20-02POSPLTC	2 PAIR	20 7/str	.040	3.8	.313	12.6	52
20-04POSPLTC	4 PAIR	20 7/str	.040	4.3	.356	25	70
20-08POSPLTC	8 PAIR	20 7/str	.050	5.7	.473	50	127
20-12POSPLTC	12 PAIR	20 7/str	.050	6.8	.565	76	175
20-01TOSPLTC	1 TRIAD	20 7/str	.035	2.6	.216	9.5	30
20-02TOSPLTC	2 TRIAD	20 7/str	.040	4.1	.342	19	64
20-04TOSPLTC	4 TRIAD	20 7/str	.040	4.7	.391	38	91
20-08TOSPLTC	8 TRIAD	20 7/str	.080	6.2	.521	76	170
<b>18 AWG</b>							
18-01POSPLTC	1 PAIR	18 7/str	.035	2.9	.239	10	35
18-02POSPLTC	2 PAIR	18 7/str	.040	4.4	.368	20	68
18-04POSPLTC	4 PAIR	18 7/str	.050	5.3	.443	40	106
18-08POSPLTC	8 PAIR	18 7/str	.050	6.8	.565	80	181
18-12POSPLTC	12 PAIR	18 7/str	.060	8.4	.700	120	267
18-01TOSPLTC	1 TRIAD	18 7/str	.035	3.0	.251	15	42
18-02TOSPLTC	2 TRIAD	18 7/str	.050	5.1	.426	30	96
18-04TOSPLTC	4 TRIAD	18 7/str	.050	5.9	.488	60	141
18-08TOSPLTC	8 TRIAD	18 7/str	.060	7.8	.647	120	260
<b>16 AWG</b>							
16-01POSPLTC	1 PAIR	16 7/str	.035	3.2	.263	16	46
16-02POSPLTC	2 PAIR	16 7/str	.050	5.2	.430	32	96
16-04POSPLTC	4 PAIR	16 7/str	.050	5.9	.493	64	141
16-08POSPLTC	8 PAIR	16 7/str	.060	7.8	.654	128	260
16-12POSPLTC	12 PAIR	16 7/str	.060	9.4	.787	191	367
16-01TOSPLTC	1 TRIAD	16 7/str	.035	3.3	.277	24	56
16-02TOSPLTC	2 TRIAD	16 7/str	.050	5.7	.474	48	125
16-04TOSPLTC	4 TRIAD	16 7/str	.050	6.5	.545	96	191
16-08TOSPLTC	8 TRIAD	16 7/str	.060	8.7	.726	191	358

Notes: 1. Standard color coding is Method E-1 for NEC applications per ICEA; Pairs - black and white. Triads - black, white and red.  
 One conductor in each pair or triad is printed alphanumerically