

INSTRUMENTATION POWER LIMITED TRAY CABLE Type PLTC (STOS)

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

APPLICATION: 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

RATINGS:

UL13 - Type PTC/CL3
IEEE 383 - (70,000 BTU/hr)
UL 2250 (70,000 BTU/hr) for ITC

NEC Articles:

725 - Remote Control, Signaling
727 -
501-4(b)

CONSTRUCTION: 20-16 AWG stranded bare copper, PVC insulation. color coded, polyester binder, aluminum /polyester foil tape plus tinned copper drain shielded triads, overall aluminum/polyester foil tape plus tinned copper drain, black PVC jacket, surface printed



USAWC Part #	No of Triads	Size / Strands	Insulation Thickness Mils	Jacket Thickness Mils	OD Inches	Copper Wt. lbs/1000 ft	Weight lbs/1000 ft
20-02STOSPLTC	2	20 7/str	12	42	.357	26	77
20-04STOSPLTC	4	20 7/str	12	52	.433	48	122
20-08STOSPLTC	8	20 7/str	12	52	.556	97	212
20-10STOSPLTC	10	20 7/str	12	62	.670	121	272
20-12STOSPLTC	12	20 7/str	12	62	.690	145	313
20-16STOSPLTC	16	20 7/str	12	62	.765	192	399
20-20STOSPLTC	20	20 7/str	12	62	.849	240	485
20-24STOSPLTC	24	20 7/str	12	72	.963	288	591
20-36STOSPLTC	36	20 7/str	12	72	1.099	431	841
20-50STOSPLTC	50	20 7/str	12	82	1.275	599	1155
18-02STOSPLTC	2	18 7/str	15	52	.431	38	108
18-04STOSPLTC	4	18 7/str	15	52	.476	73	160
18-08STOSPLTC	8	18 7/str	15	62	.635	147	293
18-10STOSPLTC	10	18 7/str	15	62	.741	179	360
18-12STOSPLTC	12	18 7/str	15	62	.764	215	416
18-16STOSPLTC	16	18 7/str	15	62	.849	286	533
18-20STOSPLTC	20	18 7/str	15	72	.963	357	671
18-24STOSPLTC	24	18 7/str	15	72	1.070	428	793
18-36STOSPLTC	36	18 7/str	15	72	1.224	641	1137
18-50STOSPLTC	50	18 7/str	15	82	1.420	890	1565
16-02STOSPLTC	2	16 7/str	15	52	.460	54	146
16-04STOSPLTC	4	16 7/str	15	52	.533	108	221
16-08STOSPLTC	8	16 7/str	15	62	.713	218	410
16-10STOSPLTC	10	16 7/str	15	62	.836	271	504
16-12STOSPLTC	12	16 7/str	15	62	.863	325	587
16-16STOSPLTC	16	16 7/str	15	72	.981	433	777
16-20STOSPLTC	20	16 7/str	15	72	1.089	541	953
16-24STOSPLTC	24	16 7/str	15	72	1.212	649	1130
16-36STOSPLTC	36	16 7/str	15	82	1.410	972	1660
16-50STOSPLTC	50	16 7/str	15	82	1.613	1350	2252

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