

Power Limited Circuit Cable Type PLTC

UL 2464 NEC Article 725 CSA PCC

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND STRAND	NOM. INSUL. THICKNESS		NOM. JACKET THICKNESS		NOMINAL DCR OHM/Mft		NOMINAL CAP. pF/ft	
				Inches	mm	Inches	mm	COND	SHLD	A	B
C0550	2	22	7/30	0.015	0.38	0.037	1.07	0.236	7.47	32.0	57.6
C0551	3	22	7/30	0.015	0.38	0.037	1.07	0.271	7.85	29.0	52.2
C0552	4	22	7/30	0.015	0.38	0.042	1.07	0.311	8.56	29.0	52.2
C0553	6	22	7/30	0.015	0.38	0.042	1.35	0.360	10.62	26.5	47.7
C0554	9	22	7/30	0.015	0.38	0.053	1.35	0.442	12.19	26.5	47.7
C0560	2	18	16/30	0.015	0.38	0.042	1.07	0.306	9.17	40.0	72.0
C0561	3	18	16/30	0.015	0.38	0.042	1.35	0.355	10.24	33.5	60.3
C0562	4	18	16/30	0.015	0.38	0.053	1.35	0.417	11.18	33.5	60.3
C0563	6	18	16/30	0.015	0.38	0.053	1.35	0.485	13.18	30.5	54.9
C0564	9	18	16/30	0.015	0.38	0.063	1.60	0.569	15.80	30.5	54.9

A - Capacitance between conductors.
B - Capacitance between one conductor and other conductors connected to shield.

Conductor color: 1 through 9 pairs - black, red

These cable products can be cut to length, jacket removed, and conductors stripped to custom specifications



Product Construction:

Conductor:

- 22 or 18 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded PVC
- Color Code: Each pair black and red numbered at one inch intervals

Shield:

- 100% Flexfoil® aluminum/polyester, 25% overlap, foil facing out
- Stranded tinned copper drain wire

Jacket:

- PVC, gray
- Temperature Range -20°C to +105°C
- Voltage Rating: 300 Volts

Applications:

- Burglar alarms
- Power limited circuits
- Intercom systems
- Business machines
- Suitably marked for appropriate tray table installations
- Petro-chemical control systems

Features:

- Provides good flexibility
- Superior shielding where noise rejection is critical
- Aids systems designers meet FCC Docket 20780 demands.

Compliances:

- NEC Article 725 Type CL 2 Power Limited Circuits (UL: 105°C, 300V)
- Recognized Component per UL Style 2464 (UL: 80°C, 300V)
- CSA PCC (CSA: 60°C)
- Passes UL 70,000 BTU Vertical Tray Flame Test
- Passes CSA FT1 Flame Test
- OSHA acceptable