

# Power-Limited Tray Cable, Foil Shield

NEC Type PLTC



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOM. CAP* pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
C0450A	2	22	7/30	0.013	0.33	0.037	0.94	0.191	4.85	43.0	77.5
C0451A	3	22	7/30	0.013	0.33	0.037	0.94	0.199	5.05	39.5	71.0
C0452A	2	20	7/28	0.013	0.33	0.037	0.94	0.207	5.26	50.0	89.5
C0453A	3	20	7/28	0.013	0.33	0.037	0.94	0.217	5.51	45.0	81.0
C0454A	2	18	16/30	0.015	0.38	0.037	0.94	0.227	5.77	51.5	92.5
C0455A	3	18	16/30	0.015	0.38	0.037	0.94	0.238	6.04	46.5	83.5
C0456A	2	16	19/.0117	0.013	0.33	0.037	0.94	0.243	6.17	64.0	115.5
C0457A	3	16	19/.0117	0.013	0.33	0.037	0.94	0.255	6.48	56.5	102.0
C0458A	2	14	19/.0147	0.013	0.33	0.042	1.07	0.288	7.32	72.5	131.0
C0459A	3	14	19/.0147	0.015	0.33	0.042	1.07	0.298	7.57	60.0	108.0
C0460A	2	12	19/.0185	0.013	0.33	0.042	1.07	0.315	8.00	80.5	145.0

\*A – Capacitance between conductors

\*B – Capacitance between one conductor and other conductors connected to shield

### Color Code Chart

NO. OF COND.	COLOR
1	Black
2	Red
3	White

### Product Construction:

#### Conductor:

- 22 thru 12 AWG fully annealed stranded tinned copper per ASTM B-33

#### Insulation:

- Premium-grade, color-coded PVC
- Color code: See chart below

#### 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

### Applications:

- Cable tray installations
- Power limited circuits
- Intercom systems
- Business machines
- Cash registers
- Industrial control systems
- Petrochemical refineries
- Suggested voltage rating: 300 volts
- Burglar alarms

### Features:

- Sunlight-resistant PVC jacket
- Good weather resistance
- UL tray cable rated

### Compliances:

- NEC Article 725 Power-Limited Tray Cable (UL: 105°C, 300V)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 70,000 BTU Vertical Tray Flame Test

### Packaging:

- Please contact Customer Service for packaging and color options