

**Product SKU:** C0454.41.10

**Product Description:** Communication & Control Cable, Power-Limited Tray, Foil Shield, Multi-Conductor, NEC Type PLTC, No. of Conductors: 2, Gauge Size (AWG): 18, Conductor/Strands: 16/30, Jacket: Gray PVC, Temperature Range: -20°C to +105°C - Gray - 1000 Ft. Reel

**Product Category:** Electronics - Communication & Control Cable, Multi-Conductor - Foil Shield - Power-Limited Tray Cable - Gray



**Product Construction:**

- |             |                                                                                                                                                              |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conductor:  | <ul style="list-style-type: none"><li>• 22 thru 12 AWG fully-annealed, stranded tinned copper per ASTM B-33</li></ul>                                        |
| Insulation: | <ul style="list-style-type: none"><li>• Color Code: See chart below</li><li>• Premium grade color-coded PVC</li></ul>                                        |
| Shield:     | <ul style="list-style-type: none"><li>• 100% Flexfoil® aluminum/polyester, 25% overlap foil facing out</li><li>• Stranded tinned copper drain wire</li></ul> |
| Jacket:     | <ul style="list-style-type: none"><li>• PVC, gray</li><li>• Temperature Range: -20°C to +105°C</li></ul>                                                     |

**Product Specification:**

- |                                    |                                                         |
|------------------------------------|---------------------------------------------------------|
| No. of Conductors:                 | <ul style="list-style-type: none"><li>• 2</li></ul>     |
| Conductor Size (AWG):              | <ul style="list-style-type: none"><li>• 18</li></ul>    |
| Conductor/Strands:                 | <ul style="list-style-type: none"><li>• 16/30</li></ul> |
| Jacket Color:                      | <ul style="list-style-type: none"><li>• Gray</li></ul>  |
| Nominal Insulation Thickness (in): | <ul style="list-style-type: none"><li>• 0.015</li></ul> |
| Nominal Insulation Thickness (mm): | <ul style="list-style-type: none"><li>• 0.33</li></ul>  |
| Nominal Jacket Thickness (in):     | <ul style="list-style-type: none"><li>• 0.037</li></ul> |

Nominal Jacket Thickness (mm):	<ul style="list-style-type: none"><li>0.94</li></ul>
Nominal Outside Diameter (in):	<ul style="list-style-type: none"><li>0.227</li></ul>
Nominal Outside Diameter (mm):	<ul style="list-style-type: none"><li>5.77</li></ul>
Nominal Capacitance (pF/ft A):	<ul style="list-style-type: none"><li>46</li></ul>
Nominal Capacitance (pF/ft B):	<ul style="list-style-type: none"><li>82</li></ul>
Standard Packaging:	<ul style="list-style-type: none"><li>1000' Non-returnable Wood Reels</li></ul>
Standard Package Quantity:	<ul style="list-style-type: none"><li>1</li></ul>
UPC #:	<ul style="list-style-type: none"><li>079407710393</li></ul>
Footnote:	<ul style="list-style-type: none"><li>Nominal Cap. A: Capacitance between conductors</li><li>Nominal Cap. B: Capacitance between one conductor and other conductors connected to shield</li></ul>
Put-up:	<ul style="list-style-type: none"><li>1000</li></ul>
SCC-14:	<ul style="list-style-type: none"><li>50079407710399</li></ul>
Cube:	<ul style="list-style-type: none"><li>1494.425</li></ul>
Weight Per Unit of Measure:	<ul style="list-style-type: none"><li>.03</li></ul>
ColorOption:	<ul style="list-style-type: none"><li>Gray</li></ul>

**Product Information:**

- |               |                                                                                                                                                                                                                                               |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications: | <ul style="list-style-type: none"><li>Burglar alarms</li><li>Business machines</li><li>Cable tray installations</li><li>Cash registers</li><li>Industrial control systems</li><li>Intercom systems</li><li>Petrochemical refineries</li></ul> |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

- Power limited circuits
- Suggested voltage rating: 300 Volts

**Compliances:**

- Designed to Meet UL 70,000 BTU Vertical Tray Flame Test
- NEC Article 725 Power-Limited Tray Cable (UL: 105°C, 300V)

**Features:**

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

**Packaging:**

- 1000' (305 m) Spools or Reels
- 500' (152 m) Spools or Reels
- Other put-ups available- consult Customer Service

**Reference Charts**

[Color Code Chart](#)

**Technical Specifications**

[Unit Conversion Factors](#)

[Cable Design Equations - Balanced Pair](#)

[Insulation and Jacket Properties](#)

[Temperature Conversion Chart](#)

[Decimal and Unit Conversion Factors](#)

[Cable Design Equations - Braid Shield](#)

[AWG Conductor Chart](#)

[Conduit Capacity Chart](#)

[Cable Design Equations - Coaxial Cable](#)

[Engineering Prefixes](#)

[Coax Connector Cross Reference](#)

[Glossary](#)



Underwriters Laboratories Inc.



**CAROL  
BRAND**

