

# Round Media



Thick Trunk Cable



Mini to Mini Thick Patchcord

## Description

Allen-Bradley thick trunk cable is available in raw spools as well as specified lengths with any of several connectors preattached. Cordsets and patchcords are prewired and factory-molded to assure reliable connection. Allen-Bradley thick trunk cables provide a rugged and durable foundation for DeviceNet systems. Although typically used in thick trunk systems as trunkline only, Allen-Bradley thick cable can also be used for DeviceNet drops. CL1 600V-rated ODVA Type V cable is also available in spools only. ODVA Type V cable provides greater flexibility in applications requiring higher voltage jacket ratings.

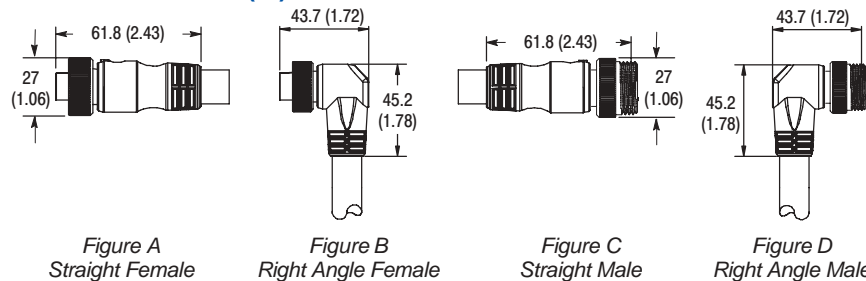
## Features

- PVC jacket offers good oil and chemical resistance
- Watertight connections (NEMA 4, 6P; IP 67)
- Gold plated contacts
- Ratcheting coupling nut for vibration resistance

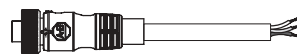
## Specifications

|                                    |   |
|------------------------------------|---|
| <b>Certifications</b>              | UL recognized and CSA certified   |
| <b>Mechanical</b>                  |   |
| <b>Coupling Nut Material</b>       | Epoxy Coated Zinc   |
| <b>Cable Jacket Material</b>       | Grey PVC  |
| <b>Conductors</b>                  | 1 pair 15 AWG, 1 pair 18 AWG, and drain   |
| <b>Contacts</b>                    | Gold-plated machined brass  |
| <b>Cable Diameter</b>              | Thick: 12.2 mm (0.48 in); ODVA Type V: 12.8 mm (0.50 in)  |
| <b>Bend Radius</b>                 | 10x diameter  |
| <b>Electrical</b>                  |   |
| <b>Cable Rating</b>                | Thick: UL—Type PLTC 300V or CM 75C (167F) or AWM style 2464, CSA—AWM I/II A/B 80C (176F) 300V FT1<br>ODVA Type V Cable: Type V Trunk Cable, UL 600V Type TC—ER Sunlight Resistant 75C Dry Open Wiring, CSA AWM I/II A/B 75C 600V FT1, Oil Resistant |
| <b>Assembly Rating</b>             | Thick: 300V, 8 A (4A NEC)   |
| <b>Environmental</b>               |   |
| <b>Enclosure Type Rating</b>       | NEMA 1, 2, 3, 4, 6P, 12, 13; IP 67; 1200 psi (8720 kPa) washdown  |
| <b>Operating Temperature—C (F)</b> | -20...+70° (-15...+158°)  |

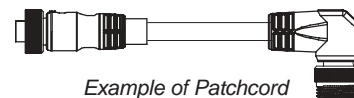
## Dimensions—mm (in)



Dimensions are approximate. Illustrations are not drawn to scale.




Example of Cordset



Example of Patchcord

### Pinout and Color Code

| Face View Pinout  |                                   |
|---|-----------------------------------|
|  |                                   |
| Mini Connector  |                                   |
| Female  | Male                              |
| 1 Drain<br>2 Red (V+)<br>3 Black (V-)   | 4 White (CAN_H)<br>5 Blue (CAN_L) |
| <b>Color Code</b>   |                                   |

### Product Selection

#### Thick Cable

| Female Connector \ Male Connector | Cat. No.            |                          |                             |
|-----------------------------------|---------------------|--------------------------|-----------------------------|
|                                   | Cable               | Mini Straight (Figure C) | Mini Right Angle (Figure D) |
| Cable                             | <b>1485C-P1A‡</b>   | <b>1485C-P*M5-C</b>      | <b>1485C-P*W5-C</b>         |
| Mini Straight (Figure A)          | <b>1485C-P*N5-C</b> | <b>1485C-P*N5-M5</b>     | <b>1485C-P*W5-N5</b>        |
| Mini Right Angle (Figure B)       | <b>1485C-P*Z5-C</b> | <b>1485C-P*M5-Z5</b>     | <b>1485C-P*W5-Z5</b>        |

\* Replace symbol with desired length in meters (i.e. **1485C-P1N5-M5** for a 1 meter cable). Standard cable lengths: 1m, 2m, 3m, 4m, 5m, 6m, 8m, 10m, 12m, 18m, 24m, 30m.

‡ Replace symbol with 50 (50 m (164 ft)), 150 (150 m (492 ft)), 300 (300 m (984 ft)), or 500 (500 m (1640 ft)).

**Note:** Stainless steel versions may be ordered by adding "S" to the cat. no. (e.g., **1485CS-P1N5-M5**).

#### ODVA Type V Cable

| Description | Cat. No.           |
|-------------|--------------------|
| Cable Spool | <b>1485C-P1BS§</b> |

§ Replace symbol with length in meters (i.e., **1485C-P1BS75** for 75 meter spool). Available lengths are 75 m (246 ft), 200 m (656 ft), and 420 m (1378 ft).

**Note:** Distance performance of this cable type is limited to that of flat cable (see page 6-4).