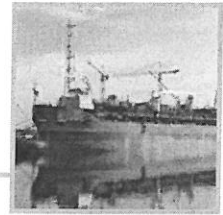




Onshore, Offshore  
and Marine Shipboard  
Cables

# COMMODORE® Copper Communication Cables



**Low-Smoke, Zero-Halogen  
120 Ω DeviceNet-Compatible Cable  
Two Pair, Composite, Shielded & Sheathed**  
ABS Type Approved, ETL Confirmed



## Product Construction:

### 1. 1 Pair 16 AWG Shielded

- Conductor:
  - 16 AWG 19/.0117 tinned copper: .056" nom. O.D.
- Insulation:
  - Low-Smoke, Zero-Halogen Polyolefin, .022" nom. wall: .100" nom. O.D.
- Color Code:
  - C1: Red C2: Black
- Shield:
  - Aluminum/Polyester tape 25% overlap 100% coverage (aluminum side out)

### 2. 1 Pair 18 AWG Shielded

- Conductor:
  - 18 AWG 19/30 tinned copper: .049" nom. O.D.
- Insulation:
  - Foam Polyolefin, .053" nom. wall: .155" nom. O.D.
- Color Code:
  - C1: Blue C2: White
- Shield:
  - Aluminum/Polyester tape 25% overlap 100% coverage (aluminum side out)

### 3. Final Assembly 2 Pairs Cabled Left-Hand Lay

- Drain Wire:
  - 16 AWG 19/29 tinned copper
- Overall Shield:
  - 36 AWG tinned copper, 65% min. coverage
- Sheath:
  - Low-Smoke, Zero-Halogen, .060" nom. wall, Black: .475" nom. O.D.

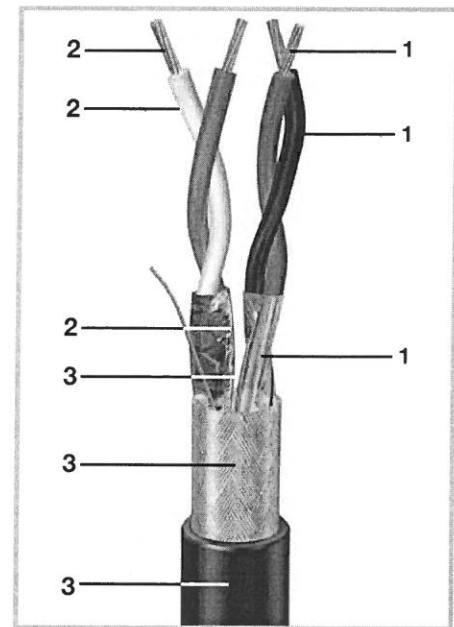
### 4. Print:

- GENERAL CABLE (F) COMMODORE® LSZH MARINE CABLE 1 PR 16 AWG & 1 PR 18 AWG 120 OHM DEVICENET IEC 60332-3-22 CAT A AAAAA\* MO/YR\*\* XXXXXX\*\*\*

\*Order Number \*\*Date \*\*\*Footage Markings every 2 ft

### 5. Cable Weight:

- 125 lbs/kft nom.



## Compliances:

- Flammability: IEC 60332-3-22 Category A
- Smoke: IEC 61034-1 & -2, MIL-DTL-24643B and NES 711
- Halogen Content: IEC 60754-1 & -2
- Toxicity: MIL-DTL-24643B and NES 713
- Acidity: IEC 60754-1 & -2 and MIL-DTL-24643B

## Third-Party Testing:

ETL has tested and confirmed that this product complies with the above specifications (report number 3316259CRT-004)

## Features:

- Mechanically enhanced construction renders the cable suitable for installation in cable tray as an interconnect cable
- Suitable for installation in vessels' quarters area



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### Electrical Characteristics

1/Pair 16 AWG Shielded  
Conductor DCR: 4.39 Ω/kft nom.

1/Pair 18 AWG Shielded  
Conductor DCR: 6.1 Ω/kft nom.  
Capacitance: 12.0 pF/ft nom.  
Impedance: 120 ± 10 Ω @ 1 MHz  
Velocity of Propagation: 76% nom.  
Temperature & Voltage Ratings: -30°C to +75°C/300 V Max.  
Attenuation (Nom.):

FREQ. (MHz)	dB/100 FT
0.125	0.13
0.50	0.25
1.0	0.40

Catalog number: Z016P0022189