

# Transmission cable with improved fire performance

## BC-500 B2ca

ET2563-B2ca

### Description

The BC-500 B2ca is a cable for the serial bus communication with EIA/RS-485 standard. It is characterized by low electric capacity, which allows it to maintain high baud rate over long distances. Used in networks based on protocols such as BACnet MS/TP, Delta Linknet, Modbus RTU, etc.



### Properties

- ▶ Reliable and efficient transmission
- ▶ Low electric capacity
- ▶ Halogen-free sheath
- ▶ Shielded
- ▶ Long distance communication
- ▶ Improved fire performance
- ▶ Euro CPR class B2Ca s1, d0, a1

### Specifications

#### Conductors

Stranded tinned copper,  
AWG 24: 7 x 0,20mm

Insulation: PE

Insulated wire diameter: 1,7 mm

Stranding: 1 twisted pair

Core identification: White—Black

#### Overall shield

Aluminium/polyester, coverage 100%

Drain: tinned copper AWG 24: 7 x 0,20mm

#### Outer sheath

LSZH compound

Color: green

Cable diameter: 5,1 mm

#### Rated voltage

300V

#### Resistance

86,5 Ω/km

#### Nominal impedance

120 Ω

#### Capacity

Core/Core: 42 pF/m

Core/Shield: 75 pF/m

#### Minimum bending radius

10 x d

#### Operation temperature

From -10°C to 70°C

#### Standards

IEC 60754-1/2

IEC 61034-1/2

IEC 60332-1

IEC 60332-3-24

PN-EN50575 (CPR) B2Ca s1, d0, a1

#### BC-500 B2ca

ET2563-B2ca - Improved fire performance cable for RS-485 standard,  
CPR B2Ca s1, d0, a1, 1000m

*The Product complies with the Delta Controls Wiring and Installation Guide 1.8.*

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