



**Product:** [M3815](#) 

CONTROL, 15C #18, Str, PVC/NYLON, 600 V, TC 90C, SUN RES, DIRECT BURIAL

## Product Description

CONTROL, 15 Conductor 18 AWG (7/.0152) BC - Bare Copper, PVC/NYLON Insulation, Black PVC Outer Jacket, TC 90C, SUN RES, DIRECT BURIAL

## Technical Specifications

### Product Overview

Suitable Applications:	Data, communication, audio, and low-level signal transmission; industrial networking, serial communication, control panels, automation equipment, and instrumentation systems.
------------------------	--

### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	15	18 AWG	7x27	BC - Bare Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.016 in (0.41 mm)	0.088 in (2.2 mm)	Black, Red, Blue, Orange, Yellow, Brown, Red/Black, Blue/Black, Orange/Black, Yellow/Black, Brown/Black, Black/Red, Blue/Red, Orange/Red, Yellow/Red

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.533 in (13.5 mm)

Overall Cable Diameter (Nominal): 0.533 in (13.5 mm)

### Electrical Characteristics

#### Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Inductance
Conductor(s)	25 pF/ft (82 pF/m)	0.19 $\mu$ H/ft (0.62 $\mu$ H/m)

#### Voltage

UL Voltage Rating
600 V (TC)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
90°C	-25°C To +90°C

#### Bend Radius

Stationary Min.
5.3 in (130 mm)

Max. Pull Tension: 225 lbs (102 kg)

### Standards and Compliance

Environmental Suitability:	Outdoor, Sunlight Resistance, Burial
Sustainability:	CA Prop 65
NEC / UL Compliance:	Article 336, TC
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

### Product Notes

Notes:	Alpha Wire -* P/N M3815 15C 18 AWG EXXXXXX (UL) TYPE TC 600V 90C DRY 75C WET SUN RES DIR BUR CE ROHS
--------	--

### History

Update and Revision:	Revision Number: 0.122 Revision Date: 06-30-2026
----------------------	--

### Part Numbers

#### Variants

Item #	Color
M3815 BK001	Black
M3815 BK005	Black

© 2026 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.