



**Product:** [2190A](#)

Control, Data & Power, 4 Pair 24 AWG, 2 Conductor 16 AWG, Outdoor

### Product Description

Composite - (1) 4-bonded-pair solid UTP 24 AWG, (2) 2 Conductor 16 AWG stranded (65x34) bare copper conductors, Polyolefin insulation (pairs), PVC insulation (conductors), FR Polyethylene rod filler, Polyester separator, 24 AWG stranded (7x32) tinned copper drain wire, 85% tinned copper braid, CMX - Outdoor, overall TPE jacket.

### Technical Specifications

#### Product Overview

Suitable Applications:	Broadcast digital audio or data and up to 16 amps and 50V power. Connect and power remote stage boxes, broadcast gear & multi-point microphones. Ruggedized and flexible for outdoor, tactical installations. Designed for use with Neutrik XLR connector NC10FXX-14-B
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#### Construction Details

##### Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	4	24 AWG	Solid	BC - Bare Copper
Conductor(s)	2	16 AWG	65x34	BC - Bare Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.0094 in (0.24 mm)	0.040 in mm	Western Electric (Modified)
Conductor(s)	PP - Polypropylene	0.010 in (0.25 mm)	0.079 in in	Red, Black

##### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Braid	Tinned Copper (TC)	85%	24 AWG (7x32) TC

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
TPE - Thermoplastic Elastomer	0.030 in (0.76 mm)	0.326 in

Overall Cable Diameter (Nominal):	0.326 in
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#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Velocity of Prop.	Max. Current
Pair(s)	29.7 Ohm/1000ft	15 pF/ft (49 pF/m)	70%	3.1 Amps per Conductor at 25°C
Conductor(s)	4.27 Ohm/1000ft (14.0 Ohm/km)			3.1 Amps per Conductor at 25°C

##### Voltage

UL Voltage Rating
300 V

#### Mechanical Characteristics

##### Temperature

UL Temperature	Operating
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60°C	-25°C To +60°C
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#### Bend Radius

Stationary Min.	Installation Min.
3.26 in (82.8 mm)	3.26 in

Max. Pull Tension:	84.4 lbs (38.3 kg)
Bulk Cable Weight:	75 lbs/1000ft

#### Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor
Flammability / Reaction to Fire:	VW-1
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMX-Outdoor
European Directive Compliance:	EU CE Mark, 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)

#### History

Update and Revision:	Revision Number: 0.233 Revision Date: 05-31-2024
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#### Part Numbers

#### Variants

Item #	Color	Putup Type	Length	UPC
2190A B591000	Black, Matte	Reel	1,000 ft	612825403364
2190A B595000	Black, Matte	Reel	5,000 ft	612825403371

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