



Product: [1349A](#)

CC Link, 5 C #18+20 Str BC, PVC+PO Ins, OS+TC Brd, PVC Jkt, PVC Jkt, CM

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Product Description

CC Link, 5 Conductor 18+20AWG (7x26+7x28) Bare Copper, PVC+PO Insulation, Overall Beldfoil®+Tinned Copper Braid(78%) Shield, PVC Inner Jacket, PVC Outer Jacket, CM

Technical Specifications

Product Overview

Suitable Applications:	harsh environment, IIoT, factory or process automation, video, audio, data communication, etc.
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Physical Characteristics (Overall)

Conductor				
AWG	Stranding	Material	No. of Conductors	
18	7x26	BC - Bare Copper	2	
20	7x28	BC - Bare Copper	3	
Conductor Count:				5

Insulation		
Element	Material	Nominal Wall Thickness
20 AWG	PVC - Polyvinyl Chloride	0.022 in
18 AWG	PE - Polyethylene (Foam)	0.03 in

Color Chart	
Number	Color
1 (18 AWG)	Black and White
2 (20 AWG)	Blue, Yellow, and White

Inner Shield								
Element	Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Data Pair(s)	Tape	1	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	22	19x34
	Braid	2	Tinned Copper (TC)		78%			
			Tinned Copper (TC)					

Inner Jacket		
Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.309 in	0.035 in

Outer Shield

Material
No Shield

Outer Jacket			
Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	0.512 in	0.053 in	Polyester Tape

Construction and Dimensions

Cabling

Lay Direction
Right Hand

Electrical Characteristics

Conductor DCR

Element	Nominal Conductor DCR	Nominal Outer Shield DCR
18 AWG	5.8 Ohm/1000ft	8 Ohm/1000ft
20 AWG	9.5 Ohm/1000ft	

Capacitance

Element	Nom. Capacitance Conductor to Conductor
20 AWG	
	18.3 pF/ft

Impedance

Nominal Characteristic Impedance	Nominal Characteristic Impedance Description
120 Ohm	20 AWG
110 Ohm	

Voltage

UL Description	UL Voltage Rating
PLTC	300 V RMS
CM	

Temperature Range

UL Temp Rating:	75°C
Operating Temperature Range:	-30°C to +60°C

Mechanical Characteristics

Bulk Cable Weight:	103 lbs/1000ft
Max. Pull Tension:	90 lbs
Min. Bend Radius/Minor Axis:	5.1 in

Standards

NEC Articles:	Article 725, Article 800
NEC/(UL) Compliance:	CM, PLTC
CEC/C(UL) Compliance:	CM
Other Specification:	Mitsubishi CC Link Signal + Power Cable

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Sunlight Resistance:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
1349A 0021000	Red	Reel	1,000 ft	612825112389

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.416 Revision Date: 05-05-2023
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