

Part Number: 1349A

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

Request Sample

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:	CC Link

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	PVC - Polyvinyl Chloride	0.022 in
18	FHDPE - Foamed High Density Polyethylene	0.03 in

Color Chart

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

Inner Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	1	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	22	19x34
Braid	2	TC - Tinned Copper		78 %			
		TC - Tinned Copper					

Inner Jacket Material

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

Outer Shield Material

Material
Unshielded

Outer Jacket Material

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

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 Temp Range:	-30°C To +60°C

Mechanical Characteristics

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

Standards

NEC Articles:	800
NEC/(UL) Specification:	CM, PLTC
CEC/C(UL) Specification:	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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2006-08-10
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	UPC	Length	Footnote
1349A 0021000	Red	612825112389	1,000 ft	C

Footnote:	C - CRATE REEL PUT-UP.

History

Update and Revision:	Revision Number: 0.312 Revision Date: 08-22-2019

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