

1349A Multi-Conductor - CC Link Certified Signal and Power Cable

For more Information
please call

1-800-Belden1



General Description:

18 and 20 AWG stranded bare copper conductors, foam HDPE insulation (power), foam HDPE insulation (data), overall Beldfoil® shield (100% coverage) plus tinned copper braid shield (78% cov.), 22 AWG stranded (7x30) tinned copper drain wire, PVC jacket.

Usage (Overall)

Suitable Applications: CC Link

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	18	7x26	BC - Bare Copper
3	20	7x28	BC - Bare Copper

Total Number of Conductors: 5

Insulation

Insulation Material:

Insulation Material	AWG
FHDPE - Foam High Density Polyethylene	20
PVC - Polyvinyl Chloride	18

Insulation Color Code Chart:

Number	Color	Description
1	Blue	20 AWG
2	Yellow	20 AWG
3	White	20 AWG

Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	78

Inner Shield Drain Wire AWG:

AWG	Stranding	Conductor Material
22	19x34	TC - Tinned Copper

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom Wall (mm)	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	0.889	7.8486

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.3462

Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)	Direction

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152.3994	Right Hand
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Overall Cabling Color Code Chart:

Number	Color
4	Black
5	White

Overall Cabling Separator Material: Polyester

Overall Nominal Diameter: 13.005 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +60°C

Non-UL Temperature Rating: 60°C

Bulk Cable Weight: 153.285 Kg/Km

Max. Recommended Pulling Tension: 400.338 N

Min. Bend Radius/Minor Axis: 129.540 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: PLTC, CM

CEC/C(UL) Specification: CM

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 08/10/2006

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Other Specification: Mitsubishi CC Link Signal + Power Cable

Flame Test

UL Flame Test: UL1685 UL Loading

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Description	Impedance (Ohm)
20 AWG	110

Nom. Capacitance Conductor to Conductor:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Capacitance (pF/m)
20 AWG				60.0423

Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/km)
20 AWG	31.1695
18 AWG	19.0298

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
26.248

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Max. Operating Voltage - UL:

Voltage	Description
300 V RMS	PLTC
300 V RMS	CM

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1349A 0021000	1,000 FT	123.000 LB	RED	C	COMPOSITE CABLE PVC

Notes:

C = CRATE REEL PUT-UP.

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