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please call

1-800-Belden1



### General Description:

20 AWG stranded (7x28) bare copper conductors, foam HDPE insulation, overall Beldfoil® shield (100% coverage) plus tinned copper braid shield (78% coverage), 22 AWG stranded (19x34) tinned copper drain wire, PVC jacket.

### Usage (Overall)

Suitable Applications: CC Link

### Physical Characteristics (Overall)

#### Conductor

AWG:

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

Total Number of Conductors: 3

#### Insulation

Insulation Material:

Insulation Material
FHDPE - Foam High Density Polyethylene

Insulation Color Code Chart:

Number	Color
1	Blue
2	Yellow
3	White

#### Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	19x34	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.889

#### Overall Cable

Overall Nominal Diameter: 7.696 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +60°C
Bulk Cable Weight:	72.922 Kg/Km
Max. Recommended Pulling Tension:	204.617 N
Min. Bend Radius/Minor Axis:	76.200 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes

## METRIC MEASUREMENT VERSION

## 1348A Multi-Conductor - CC Link Certified Cable

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	08/15/2006
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

### Flame Test

UL Flame Test:	UL1685 UL Loading
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### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

110

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

60.0423

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

31.1695

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

26.248

### Max. Operating Voltage - UL:

Voltage

300 V RMS

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1348A 0021000	1,000 FT	53.000 LB	RED	C	3 #20 FPE SH PVC
1348A 0025000	5,000 FT	270.000 LB	RED	C Z	3 #20 FPE SH PVC

### Notes:

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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