



Product: [1348F](#)

CC-Link Movable Cable 3C0.5mm² PE/TCBS/PVC

Product Description

CC-Link, Movable Cable 3 Conductor 0.5 mm² (3x33x0.08mm) Bare Copper, PE Insulation, Tinned Copper Braid Shield, PVC Outer Jacket, VW-1

Technical Specifications

Product Overview

Suitable Applications: This CC-Link certified cable constructed with class 6 conductor can be suitable for highly flexible applications like drag chains, cable carriers & moving machinery parts.

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material
0.5 mm ²	99x0.08 mm	BC - Bare Copper

Table Notes:	3 units of 33 strands
Conductor Count:	3

Insulation

Material	Nominal Diameter
PE - Polyethylene	2.7 mm

Color Chart

Number	Color
1	Blue
2	Yellow
3	White

Outer Shield

Type	Material
Braid	Tinned Copper (TC)

Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	8.0 mm

Electrical Characteristics

Conductor DCR

Max. Conductor DCR
37.8 Ohm/km

Capacitance

Max. Capacitance Conductor to Conductor
60 pF/m

Impedance

Nominal Characteristic Impedance
110 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	1.6 dB/100m
5 MHz	5.0 dB/100m

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temperature Range:	-20°C To +80°C
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Mechanical Characteristics

Repeated Bend Test: Min Number of Bends:	1150000
Repeated Bend Test: Description:	± 90° Bending
Bulk Cable Weight:	78 kg/km
Min. Bend Radius During Installation:	80 mm
Min. Bend Radius During Operation:	34 mm
Min Bend Radius (Each Coax):	64 mm
Min No. of Drag Chain Cycles:	5 million
Min Flexing Radius:	64 mm

Standards

CEC/C(UL) Compliance:	CSA C22.2 No.210
UL Rating:	300V, 80
UL AWM Style Compliance:	UL 758 AWM 2464

Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU Directive 2011/65/EU (RoHS 2):	Yes
EU CE Mark:	Yes

Suitability

Suitability - Oil Resistance:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	VW-1
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Related Part Numbers

Variants

Item #	Color	Length
1348F F64100M	Brown	100 m
1348F F64305M	Brown	305 m
1348F F64500M	Brown	500 m

Footnote: CC-Link Reference Number 1109; Please approach Belden Pre-sales team for more information: China & NA Region - presales.china@belden.com; India/SEA/ANZ Region - presales.india@belden.com

History

Update and Revision:	Revision Number: 0.93 Revision Date: 05-05-2023
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