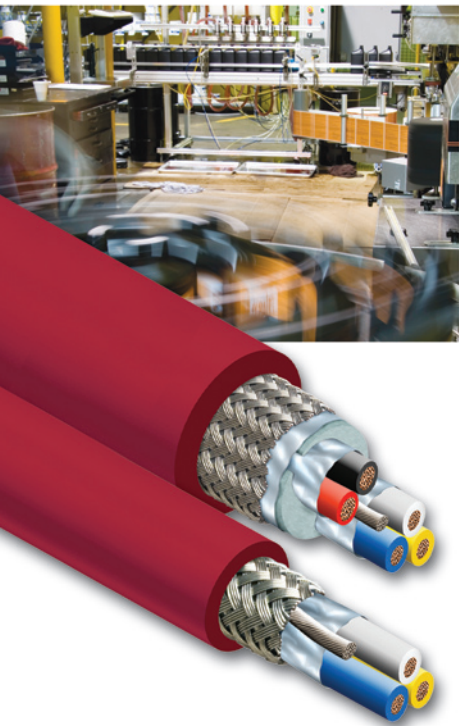


# CC-Link DataCELL® FIELD



An innovative solutions provider, Northwire offers rugged industrial networking cables engineered to exceed your application requirements. All Northwire cables are designed, built and shipped in as few as five days with no minimum-order length or quantity requirements. Designed for use in tough plant environments utilizing networked discrete automation and control, DataCELL FIELD CC-Link cables feature:

- Standard network cable and power pair option
- Fully shielded with tinned copper braid and full inner foil shield and drain
- Industry standard red outer jacket or other colors
- Passed CLPA conformance tests
- Constructed to comply with CC-Link dedicated cable specification (version 1.10)
  - UL-listed and rated for factory floor power limited tray cable (PLTC) and CL2 installations
  - CSA CMX-Outdoor-CMG and FT4 rated

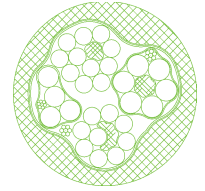
## Network Cable for CC-Link

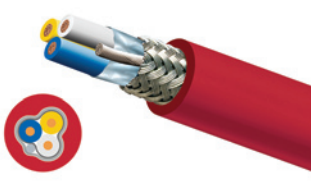
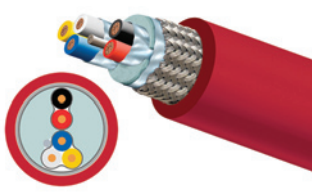
CONSTRUCTION		PART NUMBER
CC-Link network platform – (Ver. 1.10), UL-listed, PLTC, CL2		FPLTC203-005
CC-Link network platform with 18 AWG power pair – (Ver. 1.10), UL-listed, PLTC, CL2		FPLTC185C-002

DataCELL FIELD CC-Link cables are available for same-day shipment for in-stock products. Custom versions available in 15 days or less.

For more information or a complimentary sample, visit [www.northwire.com](http://www.northwire.com), call + 1 715.294.2121 or email [cableinfo@northwire.com](mailto:cableinfo@northwire.com). We'll give you the solution you need, with the most responsive service in the industry.

# DataCELL® CC-Link Cord Specifications



		
<b>CABLE TYPE</b>	<b>CC-Link Network Cable (Ver. 1.10)</b>	<b>CC-Link Network Cable (Ver. 1.10) with 18 AWG Power Pair</b>
<b>Part Number</b>	<b>FPLTC203-005</b>	<b>FPLTC185C-002</b>
<b>Physical Characteristics:</b>		
Geometry	1 Shielded Twisted Triad	1 Shielded Twisted Triad, 1 Shielded Twisted Power Pair
Shield Type	65% Min. TC Braid Over Aluminum/Polyester Foil – 100% Coverage	65% Min. TC Braid Overall, Triad and Pair Individual Aluminum/Polyester Foil Shields – 100% Coverage
Drain Wire	20 AWG 7 Strand Tinned Copper	Common Shared 20 AWG 7 Strand Tinned Copper Outside Triad Shield
Cable Outside Diameter	0.305" (7.75 mm) Nominal	0.413" (10.49 mm) Nominal
Jacket Marking/Agency Approvals	Northwire, Inc. DataCELL® FIELD – CC-Link FPLTC203-005 20 AWG/3 (UL) PLTC 75°C Sunlight Resistant E90625 or OR CL2 75°C OR AWM 80°C 300V or CSA CMX-Outdoor-CMG LL54185 75°C or CSA AWM I/II A/B 80°C 300V FT4 CE	Northwire, Inc. DataCELL® FIELD – CC-Link FPLTC185C-002 18 AWG/2 20 AWG/3 (UL) PLTC 75°C Sunlight Resistant E90625 or OR CL2 75°C OR AWM 80°C 300V or CSA CMX-Outdoor-CMG LL54185 75°C or CSA AWM I/II A/B 80°C 300V FT4 CE
Triad Conductor Size	20 AWG 10 Strand Bare Copper	20 AWG 10 Strand Bare Copper
Triad Conductor O.D.	0.093" (2.36 mm) Nominal	0.093" (2.36 mm) Nominal
Power Pair Conductor Size	–	18 AWG 16 Strand Bare Copper
Power Pair Conductor O.D.	–	0.079" (2.01 mm) Nominal
Cable Core Diameter	0.220" (5.59 mm) Nominal	0.305" (7.75 mm) Nominal
Colors	Blue, Yellow, White	Triad: Blue, Yellow, White Pair: Red, Black
Fillers	–	Poly Filler
Outer-Jacket Material	PVC	PVC
Outer-Jacket Color	Red	Red
<b>Electrical Characteristics:</b>		
Impedance at $f_r$ 1 MHz	110 $\Omega \pm 15 \Omega$	110 $\Omega \pm 15 \Omega$
Impedance at $f_r$ 5 MHz	110 $\Omega \pm 6 \Omega$	110 $\Omega \pm 6 \Omega$
Attenuation at $f_r$ 1 MHz 20°C	1.6 dB/100 m Maximum	1.6 dB/100 m Maximum
Attenuation at $f_r$ 5 MHz 20°C	3.5 dB/100 m Maximum	3.5 dB/100 m Maximum
Velocity of Propagation	75%	75%
Dielectric Withstand Voltage	500V DC for 1 minute	500V DC for 1 minute
Maximum DC Resistance (Per Conductor)	37.4 $\Omega$ /km	Triad Conductor: 37.4 $\Omega$ /km; Pair Conductor: 22.6 $\Omega$ /km
Operating Capacitance	46 nF/km Nominal	46 nF/km Nominal

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