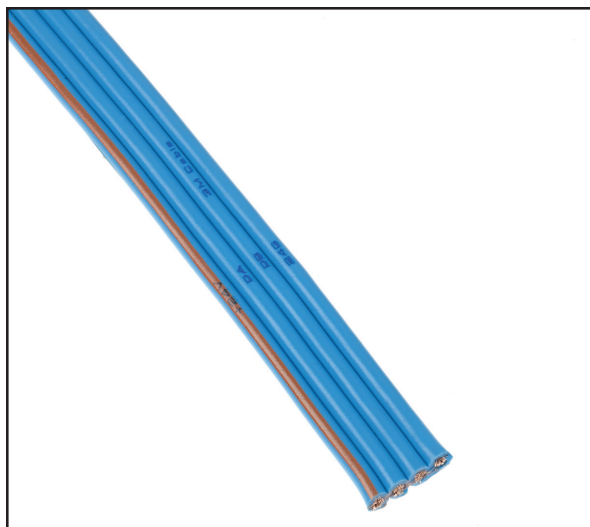


# 3M™ Round Conductor Flat Cable for CC-Link/LT

0.100", 18 AWG Stranded, PVC

79100 Series



- Designed for CC-Link/LT industrial automation field networks
- Conforms to CC-Link/LT
- 18 AWG [0.75 mm<sup>2</sup>] on 0.100" [2.54 mm] centers permits IDC termination
- Recommended for use with 3M™ Link Connectors
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of [www.3Mconnector.com](http://www.3Mconnector.com) for compliance information. (RIA E1 & C1 apply)

Date Modified: July 22, 2010

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## Physical

### Insulation:

Material: Heat Resistant Polyvinyl Chloride (PVC)

Color: Light Blue with Orange stripe

### Marking:

Top Side: +24

DA

DB 3M Cable

79100-075-4FLT for CC-Link/LT

24G

Bottom: 3M Cable 79100-075-4FLT 0.75 mm<sup>2</sup> x 4 for CC-Link/LT

E118773-K (UL) CL2 4C18AWG 90C\*\*

(\*\* indicates production lot code)

### Conductors:

Description: 18 AWG [0.75 mm<sup>2</sup>], 35 x 33 AWG[0.18 mm<sup>2</sup>] Tinned Stranded Copper

Mating Connectors: Link Connector, 38104-M018-MOM FL, TS-2098

## Electrical

Voltage Rating: CL2 (UL 13)

Insulation Resistance: >1 x 10<sup>10</sup> Ω / 10 ft [3 m]

Withstand Voltage: 1,500 V<sub>AC</sub> for one minute

### Unbalanced

Characteristic Impedance: 64.59 Ω

Capacitance: 80.1nF/km(24.42 pF/ft)@1MHz

Inductance: 0.10 uH/ft (0.33uH/m)

Propagation Delay: 1.58 ns/ft (5.17ns/m)

Velocity of Propagation: 64.41%

### Balanced

107.14 Ω

61.8nF/km(18.87 pF/ft) @1kHz

0.16 uH/ft (0.54uH/m)

1.54 ns/ft (5.04ns/m)

66.11%

Note: Unbalanced is measured between ground signal – ground conductors. Balanced is measured between conductors within a pair.

## Environmental

Temperature Rating: CL2, 90°C Max

Flammability Rating: CL2 (UL 13)

UL File No. E118773-K



Interconnect Solutions  
<http://www.3Mconnector.com>

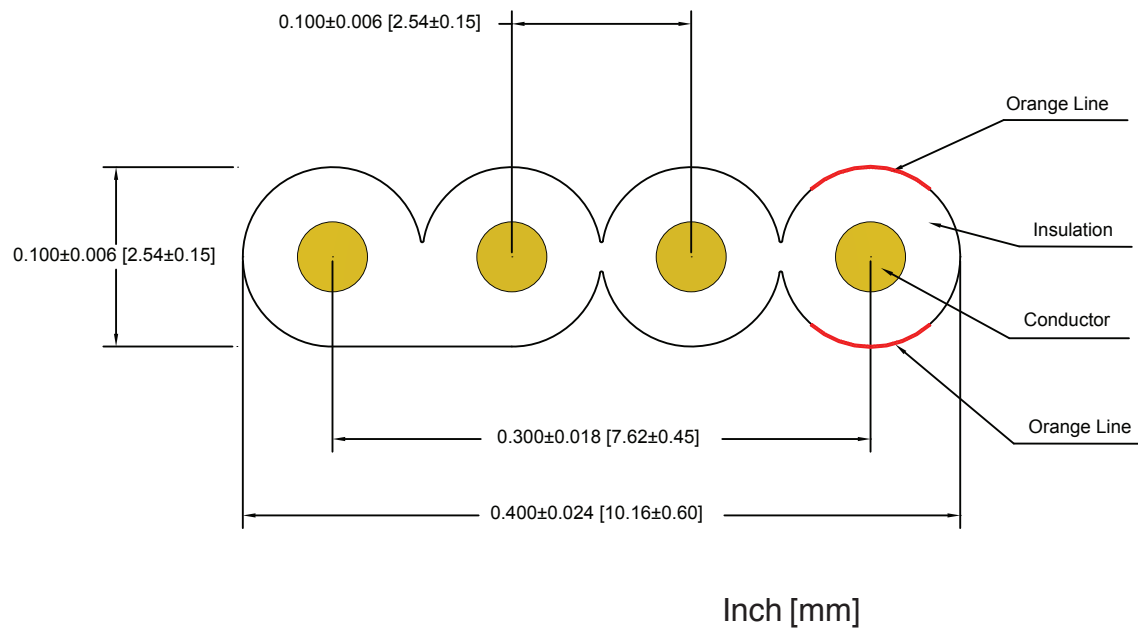
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**800-225-5373**

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79100 Series

## Product Dimensions



## Ordering Information

**79100 - 075 - 4FLT**

Note: Available in standard 200 meter rolls, please specify length when ordering. Contact 3M for availability of additional conductor counts and/or custom roll lengths.

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Sheet 2 of 2

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