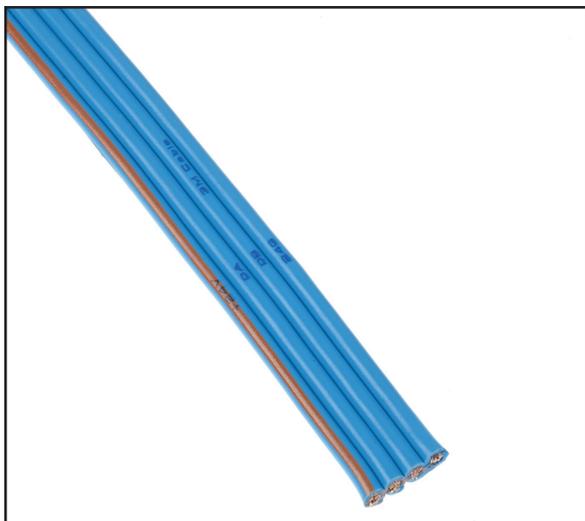


3M™ Round Conductor Flat Cable for CC-Link/LT

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 mm²] 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 for compliance information. (RIA E1 & C1 apply)

Date Modified: July 22, 2010

TS-2322-C
Sheet 1 of 2

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 mm² x 4 for CC-Link/LT

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

(** indicates production lot code)

Conductors:

Description: 18 AWG [0.75 mm²], 35 x 33 AWG[0.18 mm²] Tinned Stranded Copper

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

Electrical

Voltage Rating: CL2 (UL 13)

Insulation Resistance: >1 x 10¹⁰ Ω / 10 ft [3 m]

Withstand Voltage: 1,500 V_{AC} for one minute

Unbalanced

Balanced

Characteristic Impedance: 64.59 Ω

107.14 Ω

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

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

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

0.16 uH/ft (0.54uH/m)

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

1.54 ns/ft (5.04ns/m)

Velocity of Propagation: 64.41%

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)

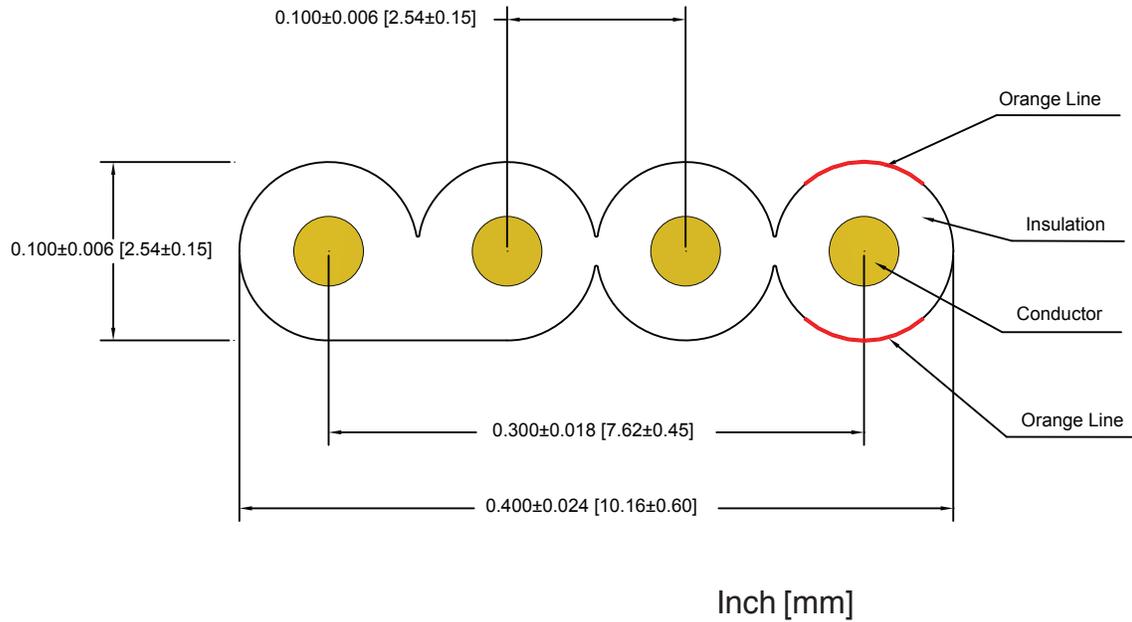
UL File No. E118773-K

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0.100", 18 AWG Stranded, PVC

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.

TS-2322-C
Sheet 2 of 2

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