

3M™ Round Conductor Flat Cable for Link Connector

0.100", 19 AWG Stranded, PVC

79100 Series



- Designed for factory automation applications
- Recommended for use with 3M™ Link Connectors
- 19 AWG [0.75 mm²] on 0.100" [2.54 mm] centers permits IDC termination
- 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

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Physical

Insulation:

Material: Heat Resistant Polyvinyl Chloride (PVC)

Color: Black, Red, White, Green

Marking: 3M Cable 79100-075-4F1 0.75 mm² x 4
E118773-K (UL) CL2 4C19AWG 90C **
(* indicates production lot code)

Conductors:

Description: 0.75 mm² [19 AWG], 30 strands x 0.18 mm [33 AWG], Tinned Stranded Copper

Mating Connectors: Link Connector, 38104-0018-000 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

Characteristic Impedance: 67.36 Ω

Capacitance @1 MHz: 23.64 pF/ft (77.56pF/m)

Inductance: 0.11 uH/ft (0.35uH/m)

Propagation Delay: 1.59 ns/ft (5.22ns/m)

Velocity of Propagation: 63.80%

Balanced

114.24 Ω

13.49 pF/ft (44.27pF/m)

0.18 uH/ft (0.58uH/m)

1.54 ns/ft (5.06ns/m)

65.90%

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)

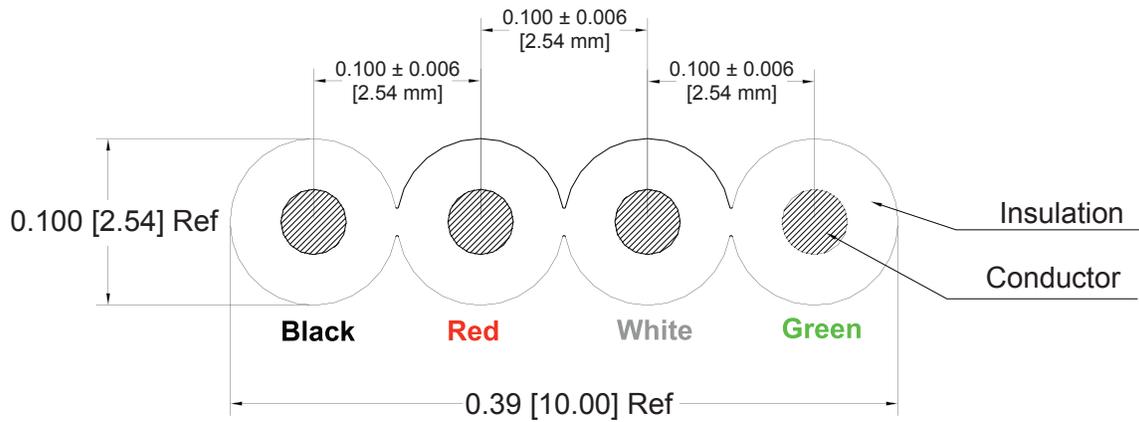
UL File No. E118773-K

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Product Dimensions



Inch [mm]

Ordering Information

79100 - 075 - 4F1

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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