3M[™] Round Conductor Flat Cable

.025" 30 AWG Solid, Halogen-Free Insulation

2049 Series



- Advantages of this halogen free insulation are low smoke (BSS 7238) and low toxicity of combustion gases (NES 713) reducing risk to firefighters and low corrosivity of combustion gases (pH≈6.0) reducing damage to nearby equipment.
- 30 AWG solid conductors on .025 inch pitch permits higher signal density and mass-termination.
- Please contact your 3M sales representative to variations not described in this specification
- See Regulatory Information Appendix RIA) for chemical compliance information (RIA E1 & C1 apply)

Date Modified: May 5, 2009

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Physical

Insulation:

Material: Halogen-Free Polyolefin (PO) dendix C1 & E1 apply.

Color: Off-White

Marking:

Standard: None

Conductors: 30 AWG [Ø 0. 53] Tinned Solid Copper

Electrical

Voltage Rating: US V EU: <50V

Insulation Resistance: Frimary Cable) > $1 \times 10^{10} \Omega/10$ ft. [3 m]

Unbalanced Balanced

Characteristic Impedance 83Ω 137 Ω

Capac (2. ce: 19.0 pF/ft [62.3 pF/m] 11.1 pF/ft [36.4 pF/m]

Inductance: 0.13 μH/ft [0.43 μH/m] 0.21 μ"/ft [0.66 μ"/m]

Propaga (3. n Delay: 1.58 ns/ft [5.18 ns/m] 1.52 ns/ft [4.99 ns/m]

Velocity of Propagation: 64% 67%

Note: Unbalanced is measured by een ground-signal-ground conductors.

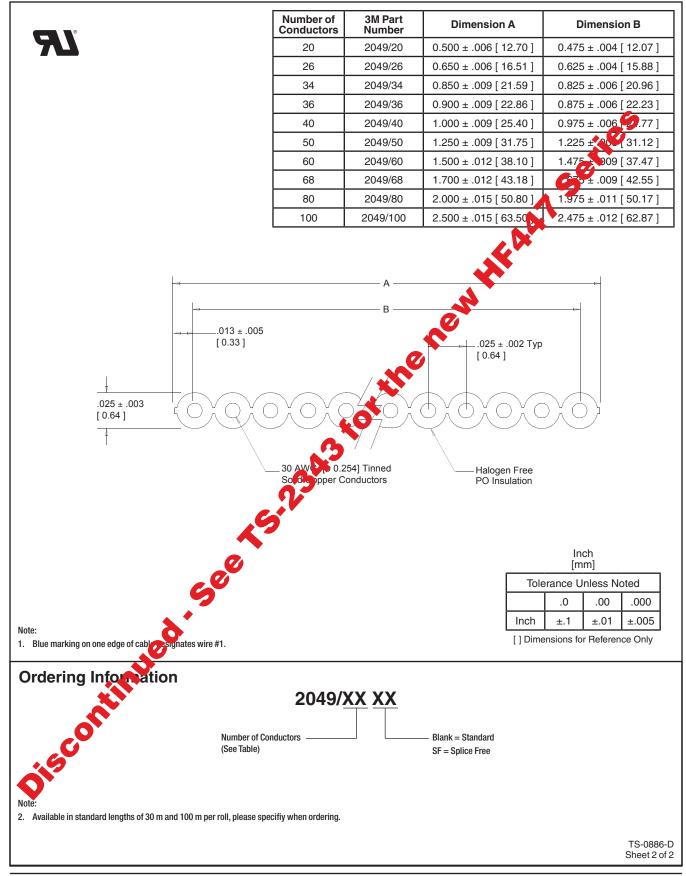
Environmental

Temperature Rating: -20°C to +105°C **Flammability Rating:** USA: UL: Horizontal

UL File No.: E42769, Style No: 20930

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