3M[™] Round, Shielded/Jacketed, Flat Cable

.050" 28 AWG Stranded, Mass-Term, Halogen Free PO/PO

2069 Series



- Round construction permits easier routing
- 28 AWG wire on .050 inch centers permits mass termination to broad line of IDC connectors
- Continuous split/bond repeat allows for mass termination of IDC connectors
- Dual shielding provides 35 db average shielding
- Primary cable is zippable for branching or discrete terminations
- Halogen free jacket and insulation
- See Regulatory Information Appendix Chemical compliance information

Date Modified: September 9, 2010

TS-2172-C Sheet 1 of 2

Physical

Jacket Material: Halogen Free Polyolefin (PO)

Jacket Color: Off-White

Primary Material: Halogen Free Polyolefin (PO)

Primary Color: Off-White

Marking Standard: None

Conductors: 28 AWG 7X 36 AWG 7X Ø 0.127] Tinned Stranded Copper

Shielding: 0.001 [0.03] The Aluminum/Polyester Film Foil and 90% Coverage Tinned

Copper Baid

Electrical

Voltage Rating (A: 30V Canada: 150V EU: <50V

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

Characteristic Impuratorice: Unbalanced Balanced 54Ω 107Ω

 Ca acitance:
 28.7 pF/ft [94.2 pF/m]
 14.4 pF/ft [47.2 pF/m]

 Inductance:
 0.08 μH/ft [0.27 μH/m]
 0.16 μH/ft [0.52 μH/m]

Propagation Delay: 1.55 ns/ft [5.09 ns/m] 1.54 ns/ft [5.05 ns/m]

ocity of Propagation: 66% 66%

Note: Unbal inceptor measured between ground-signal-ground conductors. Balanced is measured between signal conductors within a pair.

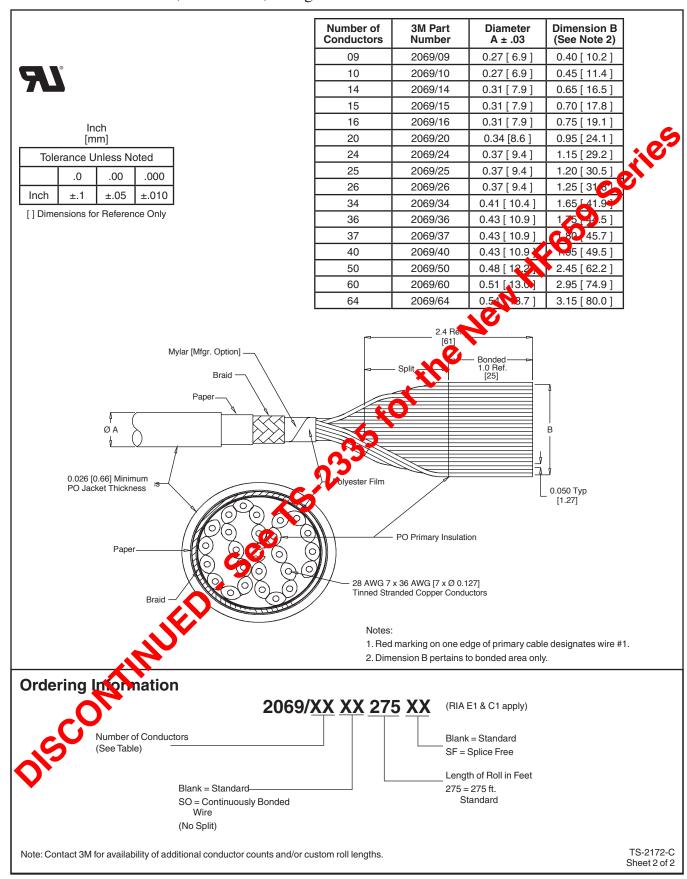
Environmental

Temperature Rating: -40°C to +105°C **Flammability Rating:** USA: UL HB

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ED. see Tan 235 for the New Hrobs series

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