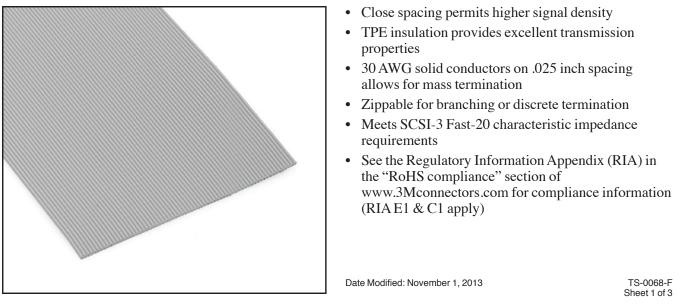
# $3M^{\text{TM}}$ Round Conductor Flat Cable

### .025" 30 AWG Solid, TPE



## Physical

Insulation:	
Material:	Thermoplastic Elastomer (TPE)
Color:	Gray
Marking:	
Standard:	None
Canadian Option:	<b>AU</b> AWM 20297 105C 150V HB 3M NU C <b>AU</b> AWM IA 105C 150V FT2 EU <50V
<b>Conductors:</b>	30 AWG [Ø 0.254] Tinned Solid Copper

#### **Electrical**

Voltage Rating:	USA: 150V	Canada: 150V
<b>Insulation Resistance:</b>	(Primary Cable) > $1 \times 10^{10} \Omega/10$ ft. [ 3 m ]	
Characteristic Impedance:	Unbalanced 90 Ω	
Capacitance:	16.5 pF/ft [ 54.1 pF/m ]	
Inductance:	0.13 µH/ft [ 0.43 µH/m ]	
<b>Propagation Delay:</b>	1.48 ns/ft [ 4.86 ns/m ]	
Velocity of Propagation:	69%	

Note: Unbalanced is measured between ground-signal-ground conductors.

### Environmental

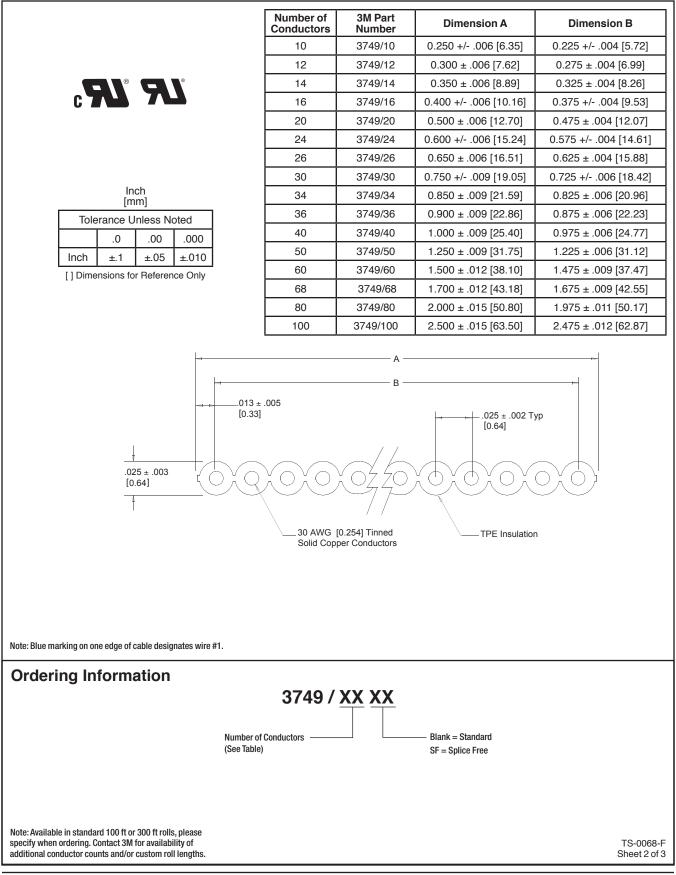
Temperature Rating:-40°C to +105°CFlammability Rating:USA: UL Horizontal Canada: FT2

UL File No.: E42769, Style No: 20297

## $3M^{\text{TM}}$ Round Conductor Flat Cable

#### .025" 30 AWG Solid, TPE

3749 Series



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