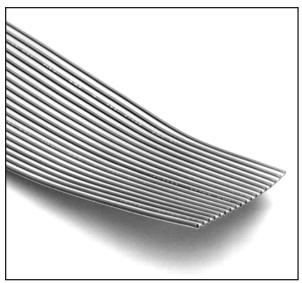
# $3M^{\text{TM}}$ Round Conductor Flat Cable



- Designed for power applications requiring higher current carrying capability
- 18 AWG tinned stranded copper wire provides flexibility and extended product life
- Individually insulated conductors are laminated to a PVC backing which can be zipped apart for branching or discrete terminations
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3M.com/ Interconnects for compliance information (RIA E1 & C1 apply)

Date Modified: September 1, 2009

TS-0057-C Sheet 1 of 2

### **Physical**

### Insulation:

Material:	Polyvinyl Chloride (PVC)
Color:	Dark Gray Wires
Marking:	
Standard:	None
Canadian Option:	<b>X</b> AWM 20462 105C 300V VW1 3M NU C <b>X</b> AWM IA 80C 150V FT1 EU <50V
<b>Conductors:</b>	18 AWG 19 × 30 AWG [ $19 \times \emptyset 0.254$ ] Tinned Stranded Copper

## **Electrical**

Voltage Rating:	USA: 300V	Canada: 150V	EU: <50V	
<b>Insulation Resistance:</b>	$> 1 \times 10^{10}\Omega/10$ ft. [ 3 m ]			
Characteristic Impedance: Unbalanced: 127				
Capacitance:	Unbalanced: 9.6 pF/ft [ 31.5 pF/m ]			
Inductance:	Unbalanced: 0.15 µH/ft [ 0.49 µH/m ]			
<b>Propagation Delay:</b>	<b>Delay:</b> Unbalanced: 1.22 ns/ft [ 4.00 ns/m ]			
Velocity of Propagation:	Unbalanced: 83%			
Note: Unbalanced is measured between ground-signal-ground conductors.				

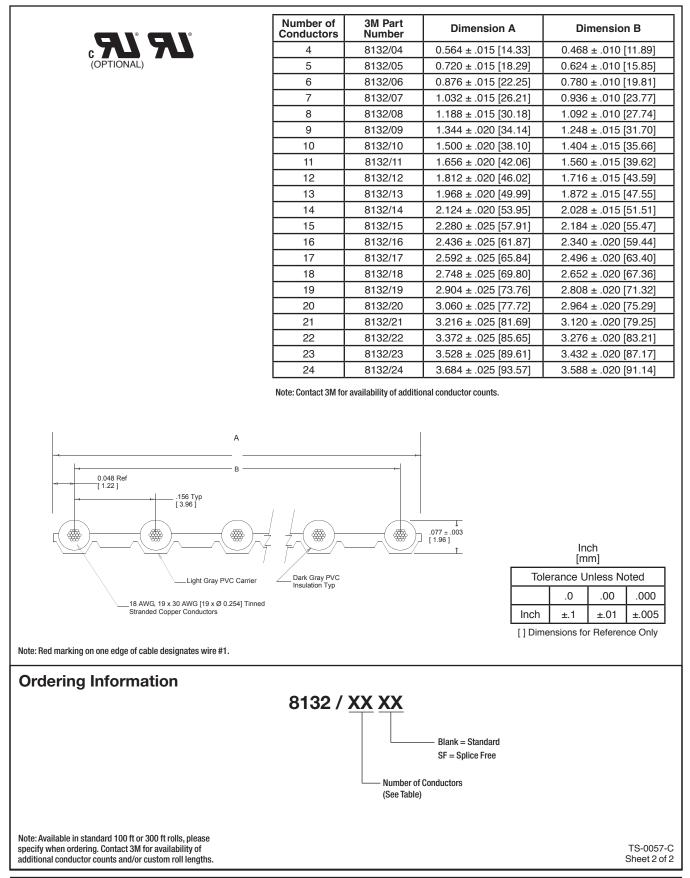
## **Environmental**

**Temperature Rating:** -20°C to +80°C **Flammability Rating:** USA: VW-1 Canada: -20°C to +80°C Canada: FT1

UL File No.: E42769, Style No: 20462

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

.156" 18 AWG Stranded, PVC



#### ЗМ

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