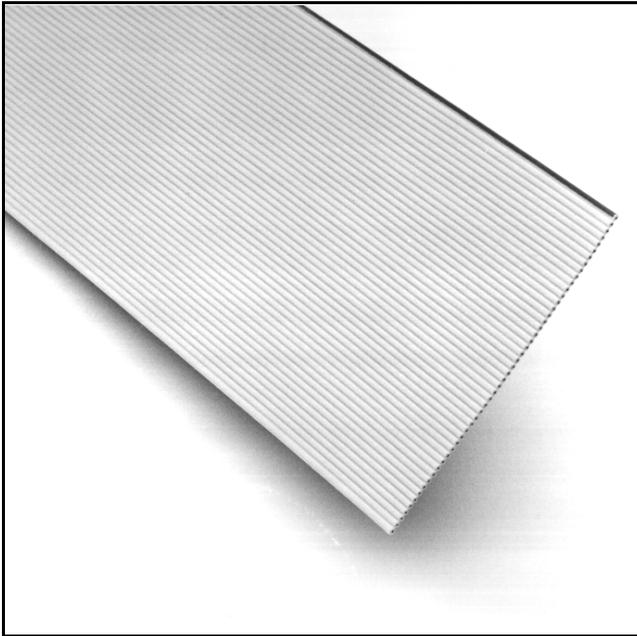


# 3M™ Round Conductor Flat Cable

.050" 28 AWG Stranded, FEP

3601 Series



- FEP insulation is compatible with most insulation displacement connectors
- .050 inch pitch parallel conductors for mass termination
- Low dielectric constant
- Excellent abrasion and chemical resistance
- Excellent mechanical durability
- Nonflammable
- UL Recognized to 200°C
- RoHS\* compliant

Date Modified: January 25, 2007

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Sheet 1 of 2

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## Physical

### Insulation

Material: Fluorinated Ethylene Propylene (FEP)

Color: Blue

### Marking:

Standard: None

**Conductors:** 28 AWG, 7 X 36 AWG [ 7 X Ø 0.127 ] Silver Plated Stranded Copper

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## Electrical

**Voltage Rating:** USA: 300V

EU: <50V

**Insulation Resistance:**  $>1 \times 10^{10} \Omega / 10\text{ft}$  [3m]

### Unbalanced

**Characteristic Impedance:** 131  $\Omega$

**Capacitance:** 9.9 pF/ft [ 32.5 pF/m ]

**Inductance:** 0.17  $\mu\text{H}/\text{ft}$  [ 0.56  $\mu\text{H}/\text{m}$  ]

**Propagation Delay:** 1.29 ns/ft [ 4.23 ns/m ]

**Velocity of Propagation:** 79%

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

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## Environmental

**Temperature Rating:** -55°C to +200°C

**Flammability Rating:** USA: VW-1

\*\*RoHS compliant\*\* means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

UL File No.: E42769, Style No.: 20424

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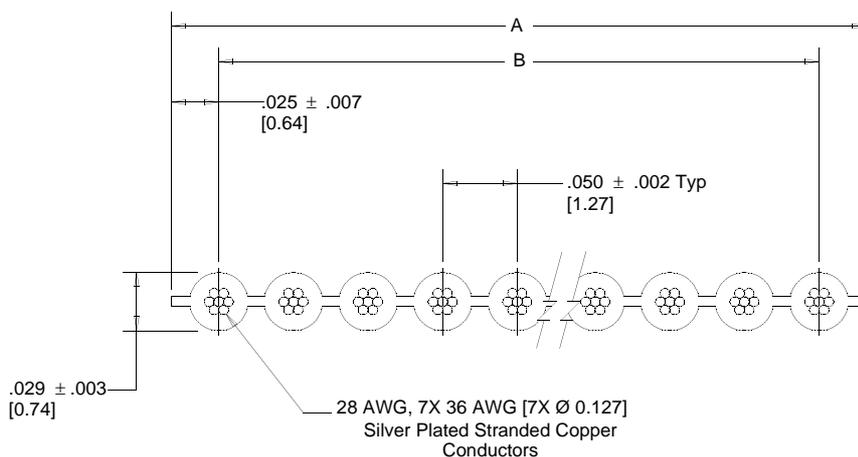
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3601 Series



Number of Conductors	3M Part Number	Dimension A	Dimension B
10	3601/10	0.500 ± .010 [12.70]	0.450 ± .007 [11.43]
15	3601/15	0.750 ± .010 [19.05]	0.700 ± .007 [17.78]
20	3601/20	1.000 ± .015 [25.40]	0.950 ± .011 [24.13]
25	3601/25	1.250 ± .015 [31.75]	1.200 ± .011 [30.48]
26	3601/26	1.300 ± .015 [33.02]	1.250 ± .011 [31.75]
34	3601/34	1.700 ± .020 [43.18]	1.650 ± .015 [41.91]
40	3601/40	2.000 ± .020 [50.80]	1.950 ± .015 [49.53]
50	3601/50	2.500 ± .020 [63.50]	2.450 ± .015 [62.23]
60	3601/60	3.000 ± .020 [76.20]	2.950 ± .015 [74.93]

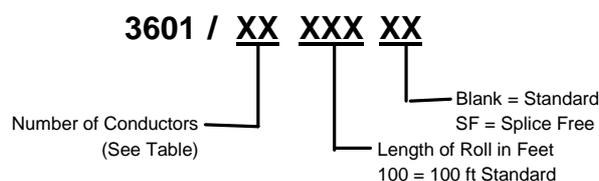


Inch [mm]			
Tolerance Unless Noted			
	0.0	0.00	0.000
<b>inch</b>	±0.1	±0.01	±0.005

[ ] Dimensions for Reference Only

Note: Blue marking on one edge of cable designates wire #1.

## Ordering



Note: Contact 3M for availability of additional conductor counts and/or custom roll lengths.

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Sheet 2 of 2

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*Minimum 10%  
Post-Consumer Fiber*

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