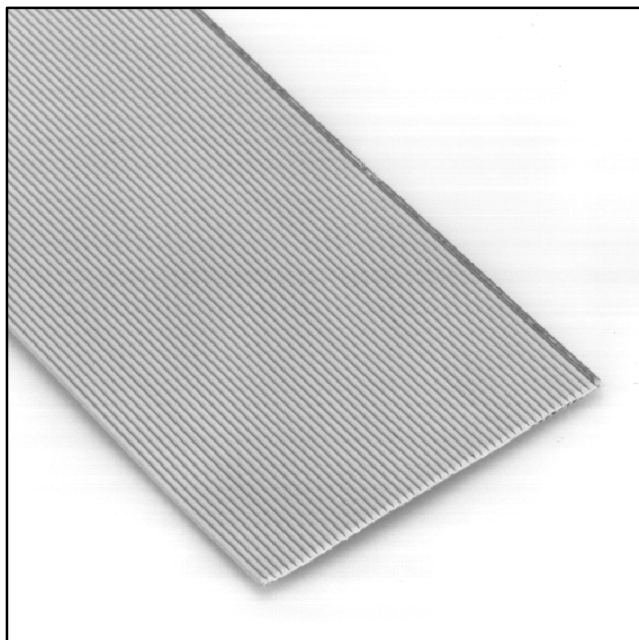


3M™ Round Conductor Flat Cable

.025" 30 AWG Solid, FEP

3604 Series



- FEP insulation is compatible with most insulation displacement connectors
- .025 inch pitch parallel conductors for mass termination
- Low dielectric constant
- Excellent abrasion and chemical resistance
- Excellent mechanical durability
- Nonflammable
- UL Recognized to 150°C
- RoHS* compliant

Date Modified: March 1, 2004

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Sheet 1 of 2

Physical

Insulation

Material: Fluorinated Ethylene Propylene (FEP)

Color: Opaque White

Marking

Standard: None

Conductors: 30 AWG Solid [0.254] Silver Plated Copper

Electrical

Voltage Rating:	USA: 150V	EU: <50V
Insulation Resistance:	> 1 × 10 ¹⁰ Ω/10 ft. (3 m)	
	Unbalanced	Balanced
Characteristic Impedance:	99 Ω	165 Ω
Capacitance:	13.8 pF/ft (45.3 pF/m)	8.2 pF/ft (26.9 pF/m)
Inductance:	14 μH/ft (0.46 μH/m)	.23 μH/ft (0.75 μH/m)
Propagation Delay:	1.38 ns/ft (4.53 ns/m)	1.36 ns/ft (4.46 ns/m)
Velocity of Propagation:	74%	75%

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

Environmental

Temperature Rating: -55°C to +150°C

Flammability Rating: USA: VW-1

*RoHS=Directive 2002/95/EC,
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

UL File No.: E42769, Style No.: 20726

3M
Interconnect Solutions
<http://www.3M.com/interconnects/>

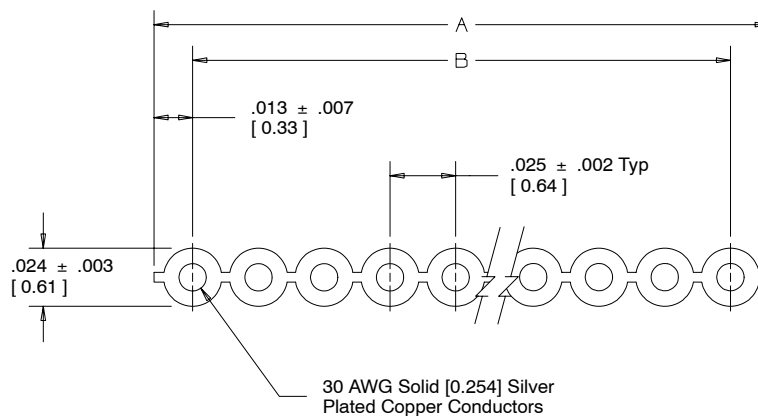
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800-225-5373

3M™ Round Conductor Flat Cable

.025" 30 AWG Solid, FEP

3604 Series

Number of Conductors	3M Part Number	Dimension A	Dimension B
20	3604/20	0.500 ± .007 [12.70]	0.475 ± .005 [12.07]
26	3604/26	0.650 ± .007 [16.51]	0.625 ± .005 [15.88]
36	3604/36	0.900 ± .007 [22.86]	0.875 ± .005 [22.23]
40	3604/40	1.000 ± .010 [25.40]	0.975 ± .006 [24.77]
50	3604/50	1.250 ± .010 [31.75]	1.225 ± .006 [31.12]
60	3604/60	1.500 ± .010 [38.10]	1.475 ± .006 [37.47]
68	3604/68	1.700 ± .010 [43.18]	1.675 ± .006 [42.55]
80	3604/80	2.000 ± .010 [50.80]	1.975 ± .006 [50.17]
100	3604/100	2.500 ± .010 [63.50]	2.475 ± .006 [62.87]



Inch [mm]			
Tolerance Unless Noted			
	.0	.00	.000
Inch	± .1	± .01	± .005

[] Dimensions for Reference Only

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

Ordering Information

3604/XX

Number of Conductors
(See Table)

Note: Standard length is 100 ft/roll.

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Sheet 2 of 2

Important Notice

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