

3M™ Round Conductor Flat Cable

.050" 26 AWG Stranded, TPE

3770 Series



- 26 AWG wire on .050 inch centers permits mass termination to a broad line of IDC connectors
- TPE insulation provides excellent transmission properties at a low cost
- Zippable for branching or discrete terminations
- See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of www.3Mconnector.com for compliance information (RIA E1 & C1 apply)

Date Modified: March 15, 2010

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Physical

Insulation:

Material: Thermoplastic Elastomer (TPE)

Color: Gray

Marking:

Standard: None

Conductors: 26 AWG 7 × 34 [7 × 0.160] Tinned Stranded Copper

Electrical

Voltage Rating: USA: 300V EU: <50V

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

Characteristic Impedance: Unbalanced
104 Ω

Capacitance: 13.1 pF/ft (42.98 pF/m)

Inductance: 0.14 $\mu\text{H}/\text{ft}$ (0.46 $\mu\text{H}/\text{m}$)

Propagation Delay: 1.36 ns/ft (4.46 ns/m)

Velocity of Propagation: 75%

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

Environmental

Temperature Rating: -40°C to +105°C

Flammability Rating: USA: UL Horizontal

UL File No.: E42769, Style No: 20297

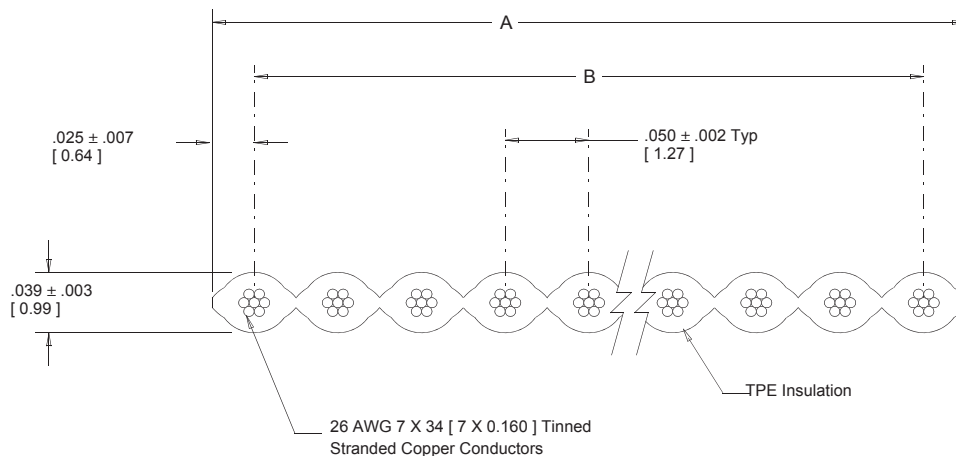
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Number of Conductors	3M Part Number	Dimension A	Dimension B
09	3770/09	0.450 ± .010 [11.43]	0.400 ± .007 [10.16]
10	3770/10	0.500 ± .010 [12.70]	0.450 ± .007 [11.43]
14	3770/14	0.700 ± .010 [17.78]	0.650 ± .007 [16.51]
15	3770/15	0.750 ± .010 [19.05]	0.700 ± .007 [17.78]
16	3770/16	0.800 ± .015 [20.32]	0.750 ± .011 [19.05]
20	3770/20	1.000 ± .015 [25.40]	0.950 ± .011 [24.13]
24	3770/24	1.200 ± .015 [30.48]	1.150 ± .011 [29.21]
25	3770/25	1.250 ± .015 [31.75]	1.200 ± .011 [30.48]
26	3770/26	1.300 ± .015 [33.02]	1.250 ± .011 [31.75]
30	3770/30	1.500 ± .020 [38.10]	1.450 ± .015 [36.83]
34	3770/34	1.700 ± .020 [43.18]	1.650 ± .015 [41.91]
36	3770/36	1.800 ± .020 [45.72]	1.750 ± .015 [44.45]
37	3770/37	1.850 ± .020 [46.99]	1.800 ± .015 [45.72]
40	3770/40	2.000 ± .020 [50.80]	1.950 ± .015 [49.53]
50	3770/50	2.500 ± .020 [63.50]	2.450 ± .015 [62.23]
60	3770/60	3.000 ± .020 [76.20]	2.950 ± .015 [74.93]
64	3770/64	3.200 ± .020 [81.28]	3.150 ± .015 [80.01]



Tolerance Unless Noted			
	.0	.00	.000
Inch	±.1	±.05	±.010

[] Dimensions for Reference Only

Note:

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

Ordering Information

3770/XX - XX

Number of Conductors
(See Table)

Blank = standard
SF = splice free

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

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**3M Electronics Solutions Division**

6801 River Place Blvd.
Austin, TX 78726-9000
U.S.A.
1-800-225-5373
www.3Mconnector.com

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RIA-2217B-E

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