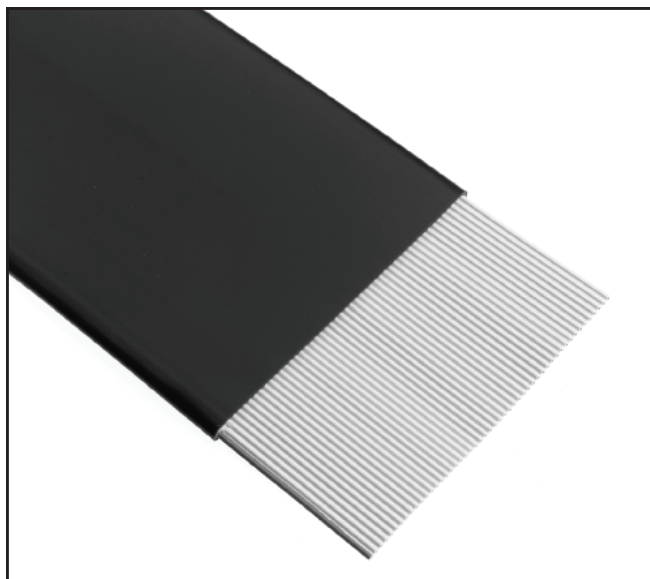


3M™ Jacketed, Flat Cable

.050" 28 AWG Stranded, PVC/PVC

3603 Series



- Meets external wiring requirements of National Electrical Code, Article 725 (CL2)
- UL listed for USA and Canadian markets
- 28 AWG stranded wire on .050 inch centers permits mass termination to broad line of IDC connectors
- PVC outer jacket prevents damage to cable
- Primary cable is zippable 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: December 8, 2009

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Sheet 1 of 2

Physical

Jacket Material: Polyvinyl Chloride (PVC)

Color: Black

Primary Material: PVC

Color: Gray

Marking:

Standard: (UL) CL2 75C 28 AWG OR AWM 20879 3M NU

C  AWM IIA/B 80C 300V FT1 EU <50V

Conductors: 28 AWG, 7 × 36 AWG [7 × 0.127] Tinned Stranded Copper

Electrical

Voltage Rating: USA: N.E.C. 725, CL2 or AWM 300V Canada: 300V EU: <50V

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

	Unbalanced	Balanced
Characteristic Impedance:	95 Ω	160 Ω

Capacitance:	15.5 pF/ft [62.3 pF/m]	9.4 pF/ft [36.4 pF/m]
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Inductance:	0.14 $\mu\text{H/ft}$ [0.43 $\mu\text{H/m}$]	0.24 $\mu\text{H/ft}$ [0.79 $\mu\text{H/m}$]
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Propagation Delay:	1.47 ns/ft [4.82 ns/m]	1.50 ns/ft [4.92 ns/m]
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Velocity of Propagation:	69%	68%
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Note: Unbalanced is measured between ground-signal-ground conductors. Balanced is measured between signal conductors within a pair.

Environmental

Temperature Rating: USA: CL2; 75°C or AWM; -20°C to +80°C Canada: 80°C

Flammability Rating: USA: N.E.C. 725, CL2 Canada: FT1

UL File No.: E118773, Power Limited Circuit Cable: CL2 (or AWM Style No: 20879)

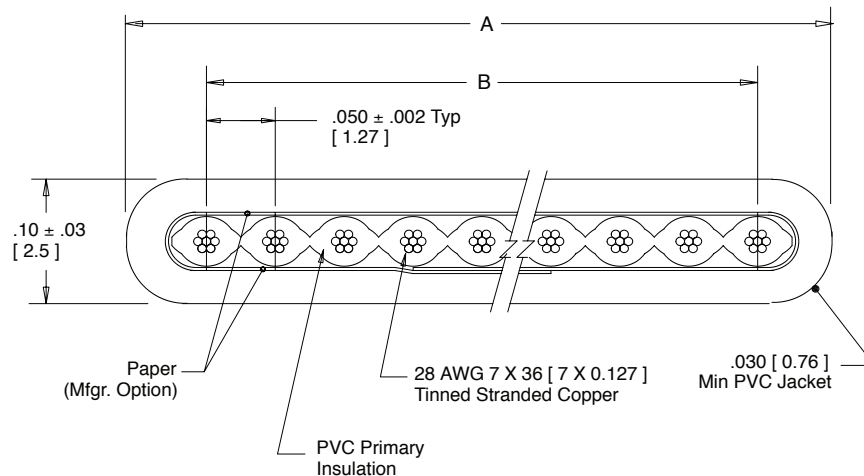
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Number of Conductors	3M Part Number	Dimension A ± .040"	Dimension B
10	3603/10	.58 [14.70]	0.450 ± .007 [11.43]
16	3603/16	.88 [22.40]	0.750 ± .011 [19.05]
20	3603/20	1.08 [27.40]	0.950 ± .011 [24.13]
25	3603/25	1.33 [33.80]	1.200 ± .011 [30.48]
26	3603/26	1.38 [35.10]	1.250 ± .011 [31.75]
34	3603/34	1.78 [45.20]	1.650 ± .015 [41.91]
36	3603/36	1.88 [47.80]	1.750 ± .015 [44.45]
37	3603/37	1.93 [49.02]	1.800 ± .015 [45.72]
40	3603/40	2.08 [52.83]	1.950 ± .015 [49.53]
50	3603/50	2.58 [65.53]	2.450 ± .015 [62.23]
60	3603/60	3.08 [78.20]	2.950 ± .015 [74.93]
64	3603/64	3.28 [83.30]	3.150 ± .015 [80.01]



Inch
[mm]

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

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

[] Dimensions for Reference Only

Ordering Information

3603/XX XX

Number of Conductors
(See Table)

Blank = Standard
SF = Splice Free

Note: Available in standard 100 ft or 300 ft rolls, please specify when ordering. 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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