

3M™ ROUND CONDUCTOR FLAT CABLE, 3801 SERIES
.050" 26 AWG STRANDED, PVC

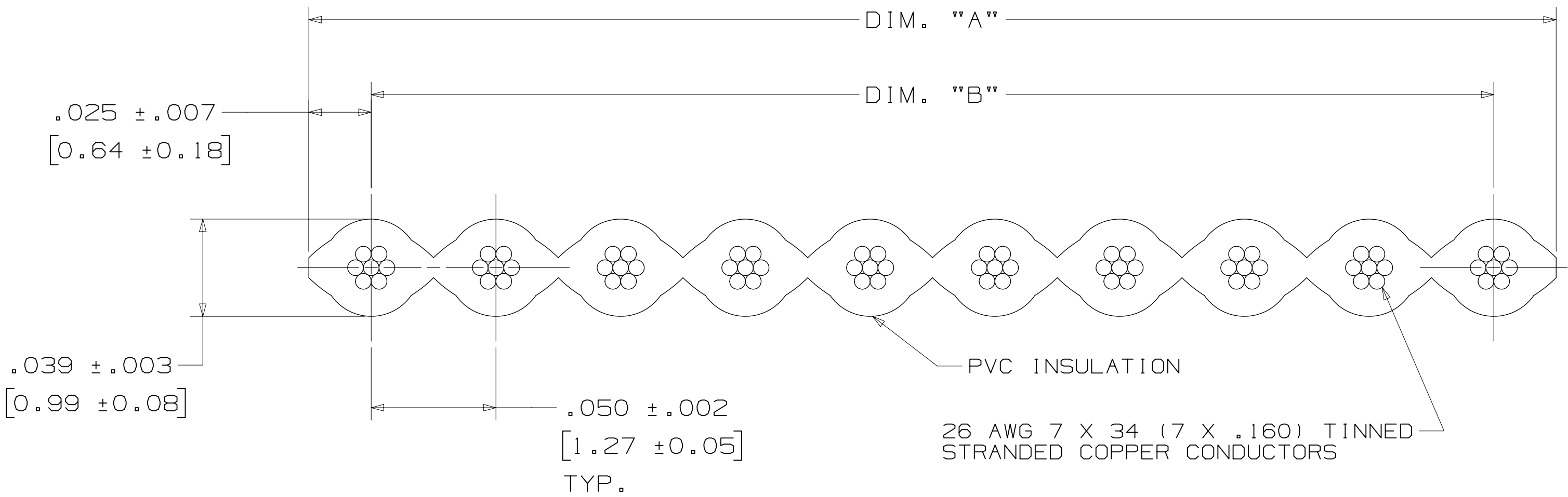


TABLE 1			
NUMBER OF CONDUCTORS	3M PART NUMBER	DIMENSION "A"	DIMENSION "B"
04	3801/04	.200±.010 [5.08]	.150±.007 [3.18]
05	3801/05	.250±.010 [6.35]	.200±.007 [5.08]
06	3801/06	.300±.010 [7.62]	.250±.007 [6.35]
07	3801/07	.350±.010 [8.89]	.300±.007 [7.62]
08	3801/08	.400±.010 [10.16]	.350±.007 [8.89]
09	3801/09	.450±.010 [11.43]	.400±.007 [10.16]
10	3801/10	.500±.010 [12.70]	.450±.007 [11.43]
12	3801/12	.600±.010 [15.24]	.550±.007 [13.97]
14	3801/14	.700±.010 [17.78]	.650±.007 [16.51]
15	3801/15	.750±.010 [19.05]	.700±.007 [17.78]
16	3801/16	.800±.015 [20.32]	.750±.011 [19.05]
18	3801/18	.900±.015 [22.86]	.850±.011 [21.59]
20	3801/20	1.000±.015 [25.40]	.950±.011 [24.13]
24	3801/24	1.200±.015 [30.48]	1.150±.011 [29.21]
25	3801/25	1.250±.015 [31.75]	1.200±.011 [30.48]
26	3801/26	1.300±.015 [33.02]	1.250±.011 [31.75]
30	3801/30	1.500±.020 [38.10]	1.450±.015 [36.83]
34	3801/34	1.700±.020 [43.18]	1.650±.015 [41.91]
36	3801/36	1.800±.020 [45.72]	1.750±.015 [44.45]
37	3801/37	1.850±.020 [46.99]	1.800±.015 [45.72]
40	3801/40	2.000±.020 [50.80]	1.950±.015 [49.53]
44	3801/44	2.200±.020 [55.88]	2.150±.015 [54.61]
50	3801/50	2.500±.020 [63.50]	2.450±.015 [62.23]
60	3801/60	3.000±.020 [76.20]	2.950±.015 [74.93]
64	3801/64	3.200±.020 [81.28]	3.150±.015 [80.07]

1. REGULATORY INFORMATION:
VISIT 3M.com/regs OR CONTACT
YOUR 3M REPRESENTATIVE TO FIND
THE RoHS COMPLIANCE STATUS OF
THE 3M PART YOU ARE INTERESTED
IN.

UL FILE: E42769
STYLE: 2651
2. IN THE EVENT OF CONFLICT
BETWEEN THIS DATA AND THAT
CONTAINED IN THE PRODUCT
SPECIFICATION, THE PRODUCT
SPECIFICATION TAKES PRECEDENT.

2 PHYSICAL :

INSULATION: POLYVINYL CHLORIDE (PVC)
MATERIAL: POLYVINYL CHLORIDE (PVC)
COLOR: SEE ORDERING INFORMATION
MARKING:
STANDARD: NONE
CANADIAN: SEE "PRINTING ILLUSTRATION" VIEW

CONDUCTORS: 26 AWG 7 X 34 [7 X .160] TINNED STRANDED COPPER

2 ELECTRICAL :

VOLTAGE RATING: USA 300V CANADIAN 300V EU: <50V
INSULATION RESISTANCE: >1 X 10¹⁰Ω/10ft. [3m]

UNBALANCED
CHARACTERISTIC IMPEDANCE: 89Ω
CAPACITANCE: 16.2 pF/ft [53.1 pF/m]
INDUCTANCE: .13μH/ft [.43μH/m]
PROPAGATION DELAY: 1.44 ns/ft [4.72 ns/m]
VELOCITY OF PROPAGATION: 71%

NOTE: UNBALANCED IS MEASURED BETWEEN GROUND-SIGNAL-GROUND CONDUCTORS.

2 ENVIRONMENTAL :

TEMPERATURE RATING: -20°C TO 105°C
FLAMMABILITY RATING: USA: VW-1 CANADA: FT1

ORDERING INFORMATION

X3801X / XX XX

BLANK= STANDARD
C= CANADIAN CERTIFIED
VERSION

BLANK= STANDARD
SF= SPLICE FREE

No. OF CONDUCTORS:
(SEE TABLE 1)

COLOR OPTIONS:
BLANK= GRAY (STANDARD PRODUCT)
A= BLACK (SPECIAL PRODUCT)

NOTE:
AVAILABLE IN STANDARD 100FT OR 300FT ROLLS.
PLEASE SPECIFY WHEN ORDERING.
CONTACT 3M FOR AVAILABILITY OF ADDITIONAL
CONDUCTOR COUNTS AND/OR CUSTOM ROLL LENGTHS.

CANADIAN OPTION
"PRINTING ILLUSTRATION"



AWM 2651 105C 300V VW1 3M NU



AWM 1A 105C 300V FT1 EU <50V

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3Mconnectors.com>

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INFORMATION CALL 800-225-5373

INCH [MM]		
TOLERANCE - UNLESS NOTED		
.X	.XX	.XXX
[INCH] ±.1	±.01	±.005
[] = DIM. FOR REFERENCE ONLY		

DESIGN REFERENCE		NEXT ASSEMBLY	
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT
CHKD	CHKD	DATE	DATE
DIVISION		DIVISION CODE	
DO NOT SCALE DRAWING		EMSD	
THIRD ANGLE PROJECTION		TOLERANCES EXCEPT AS NOTED	
MAX SURFACE ROUGHNESS		INCHES	
SURFACES		MILLIMETERS	
MARKED ONLY		ANGLES	

D	0104000	MAY 04,2022	LDS	FJR
		ADDED 12 CONDUCTOR TO TABLE 1		
C	73662	MAY 10,2017	JNC	RDE
		REVISED AND REDRAWN		
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
CHKD	CHKD	DATE	DATE	DATE
DIVISION		DIVISION CODE		DATE
DO NOT SCALE DRAWING		EMSD		DATE
THIRD ANGLE PROJECTION		TOLERANCES EXCEPT AS NOTED		DATE
MAX SURFACE ROUGHNESS		INCHES		DATE
SURFACES		MILLIMETERS		DATE
MARKED ONLY		ANGLES		DATE

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St. Paul, MN 55144			
TITLE		ROUND CONDUCTOR FLAT CABLE, .050", 26 AWG STRANDED, PVC	
CAGE NUMBER		DRAWING NO.	
D		78-5100-0063-7	
MODEL		REV.	
3801		D	
LISTS		YES	
NO		SHT 1 OF 2	

3M™ ROUND CONDUCTOR FLAT CABLE, 3801 SERIES
.050" 26 AWG STRANDED, PVC

Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

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Austin, TX 78753-5380
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www.3M.com/interconnect

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES				DRP	DATE		MFG	DATE	
				CHKD	MAY 10,2017			MAY 10,2017	
DIVISION		DIVISION CODE		APPR		DATE		DATE	
		EMSD		R. EDWARDS		MAY 10,2017			
DO NOT SCALE DRAWING		SCALE 1 1		TOLERANCES EXCEPT AS NOTED		3M 3M Center St. Paul, MN 55144 © 3M COPYRIGHT 2022 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.			
THIRD ANGLE PROJECTION		INCHES		MILLIMETERS		TITLE			
INTERPRET PER ASME Y14.5 - 2018		.00 ±		.00 ±		ROUND CONDUCTOR FLAT CABLE, .050", 26 AWG STRANDED, PVC			
MAX SURFACE ROUGHNESS		.000 ±		.00 ±		CAGE NUMBER		SIZE	DRAWING NO.
✓ MARKED SURFACES		.000 ±		.00 ±		D78-5100-0063-7		REV.	
		ANGLES		MODEL		3801		DET	
						LISTS		YES	NO
						SHT		2 OF 2	