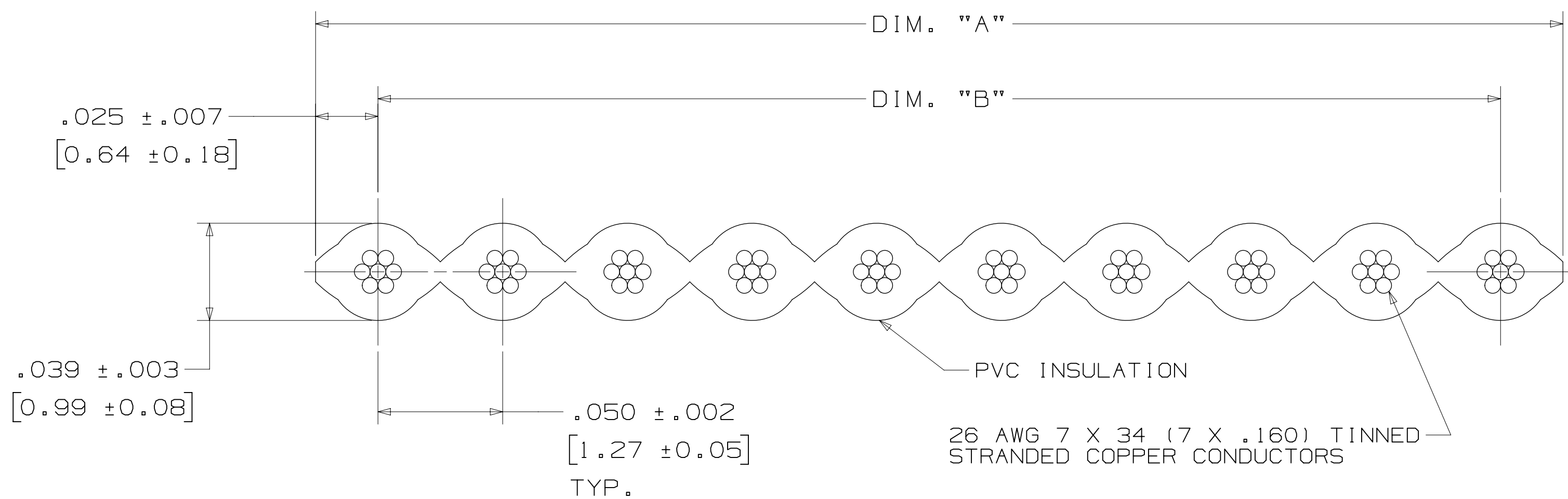


.050" 26 AWG STRANDED, PVC



NUMBER OF CONDUCTORS	3M PART NUMBER	DIMENSION "A"	DIMENSION "B"
04	3801/04	.200±.010 [ 5.08 ]	.150±.007 [ 3.8 ]
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:<br>VISIT <a href="http://3M.com/regs">3M.com/regs</a> OR CONTACT<br>YOUR 3M REPRESENTATIVE TO FIND<br>THE RoHS COMPLIANCE STATUS OF<br>THE 3M PART YOU ARE INTERESTED<br>IN.<br><br>UL FILE: E42769<br>STYLE: 2651 |
| 2  | IN THE EVENT OF CONFLICT<br>BETWEEN THIS DATA AND THAT<br>CONTAINED IN THE PRODUCT<br>SPECIFICATION, THE PRODUCT<br>SPECIFICATION TAKES PRECEDENT.   |

2 PHYSICAL :

```
INSULATION:
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:  $>1 \times 10^{10} \Omega/10^6 t. [3m]$

```

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.

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

3M IS A TRADEMARK OF 3M COMPANY.  
FOR TECHNICAL, SALES OR ORDERING  
INFORMATION CALL 800-225-5373

CANADIAN OPTION  
"PRINTING ILLUSTRATION"



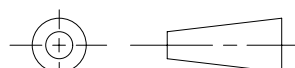
AWM 2651 105C 300V VW1 3M NU



AWM 1A 105C 300V FT1 EU &lt;50V

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

D	0104000	MAY 04, 2022 ADDED 12 CONDUCTOR TO TABLE 1	LDS	FJR
C	73662	MAY 10, 2017	JNC	RDE

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
RDRS CODES				DRFT CASTIGLIONE		DATE MAY 10, 2017		INFO DATE		DATE MAY 10, 2017			
DIVISION				DRFT R. EDWARDS		DATE MAY 10, 2017							
DO NOT SCALE DRAWING		SCALE 25 1		TOLERANCES EXCEPT AS NOTED		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 .0 .00 .000 .0000		MILLIMETERS .0 .00 .000		TITLE ROUND CONDUCTOR FLAT CABLE, .050", 26 AWG STRANDED, PVC					
INTERPRET PER ASME Y14.5 - 2018				MAX SURFACE ROUGHNESS 12.5 10 8 6.3 5 4 3.2 2.5 2 1.6 1 .8 .63 .5 .4 .32 .25 .2 .16 .125 .1 .08 .063 .05 .04 .032 .025 .02 .016 .0125 .01 .008 .0063 .005 .004 .0032 .0025 .002 .0016 .00125 .001 .0008 .00063 .0005 .0004 .00032 .00025 .0002 .00016 .000125 .0001 .00008 .000063 .00005 .00004 .000032 .000025 .00002 .000016 .0000125 .00001 .000008 .0000063 .000005 .000004 .0000032 .0000025 .000002 .0000016 .00000125 .000001 .0000008 .00000063 .0000005 .0000004 .00000032 .00000025 .0000002 .00000016 .000000125 .0000001 .00000008 .000000063 .00000005 .00000004 .000000032 .000000025 .00000002 .000000016 .0000000125 .00000001 .000000008 .0000000063 .000000005 .000000004 .0000000032 .0000000025 .000000002 .0000000016 .00000000125 .000000001 .0000000008 .00000000063 .0000000005 .0000000004 .00000000032 .00000000025 .0000000002 .00000000016 .000000000125 .0000000001 .00000000008 .000000000063 .00000000005 .00000000004 .000000000032 .000000000025 .00000000002 .000000000016 .0000000000125 .00000000001 .000000000008 .0000000000063 .000000000005 .000000000004 .0000000000032 .0000000000025 .000000000002 .0000000000016 .00000000000125 .000000000001 .0000000000008 .00000000000063 .0000000000005 .0000000000004 .00000000000032 .00000000000025 .0000000000002 .00000000000016 .000000000000125 .0000000000001 .00000000000008 .000000000000063 .00000000000005 .00000000000004 .000000000000032 .000000000000025 .00000000000002 .000000000000016 .0000000000000125 .00000000000001 .000000000000008 .0000000000000063 .000000000000005 .000000000000004 .0000000000000032 .0000000000000025 .000000000000002 .0000000000000016 .00000000000000125 .000000000000001 .0000000000000008 .00000000000000063 .0000000000000005 .0000000000000004 .00000000000000032 .00000000000000025 .0000000000000002 .00000000000000016 .000000000000000125 .0000000000000001 .00000000000000008 .000000000000000063 .00000000000000005 .00000000000000004 .000000000000000032 .000000000000000025 .00000000000000002 .000000000000000016 .0000000000000000125 .00000000000000001 .000000000000000008 .0000000000000000063 .000000000000000005 .000000000000000004 .0000000000000000032 .0000000000000000025 .000000000000000002 .0000000000000000016 .00000000000000000125 .000000000000000001 .0000000000000000008 .00000000000000000063 .0000000000000000005 .0000000000000000004 .00000000000000000032 .00000000000000000025 .0000000000000000002 .00000000000000000016 .000000000000000000125 .0000000000000000001 .00000000000000000008 .000000000000000000063 .00000000000000000005 .00000000000000000004 .000000000000000000032 .000000000000000000025 .00000000000000000002 .000000000000000000016 .0000000000000000000125 .00000000000000000001 .000000000000000000008 .0000000000000000000063 .000000000000000000005 .000000000000000000004 .0000000000000000000032 .0000000000000000000025 .000000000000000000002 .0000000000000000000016 .00000000000000000000125 .000000000000000000001 .0000000000000000000008 .00000000000000000000063 .0000000000000000000005 .0000000000000000000004 .00000000000000000000032 .00000000000000000000025 .0000000000000000000002 .00000000000000000000016 .000000000000000000000125 .0000000000000000000001 .00000000000000000000008 .000000000000000000000063 .00000000000000000000005 .00000000000000000000004 .000000000000000000000032 .000000000000000000000025 .00000000000000000000002 .000000000000000000000016 .0000000000000000000000125 .00000000000000000000001 .000000000000000000000008 .0000000000000000000000063 .000000000000000000000005 .000000000000000000000004 .0000000000000000000000032 .0000000000000000000000025 .000000000000000000000002 .0000000000000000000000016 .00000000000000000000000125 .000000000000000000000001 .0000000000000000000000008 .00000000000000000000000063 .0000000000000000000000005 .0000000000000000000000004 .00000000000000000000000032 .00000000000000000000000025 .0000000000000000000000002 .00000000000000000000000016 .000000000000000000000000125 .0000000000000000000000001 .00000000000000000000000008 .000000000000000000000000063 .00000000000000000000000005 .00000000000000000000000004 .000000000000000000000000032 .000000000000000000000000025 .00000000000000000000000002 .000000000000000000000000016 .0000000000000000000000000125 .00000000000000000000000001 .000000000000000000000000008 .0000000000000000000000000063 .000000000000000000000000005 .000000000000000000000000004 .0000000000000000000000000032 .0000000000000000000000000025 .000000000000000000000000002 .0000000000000000000000000016 .00000000000000000000000000125 .000000000000000000000000001 .0000000000000000000000000008 .00000000000000000000000000063 .0000000000000000000000000005 .0000000000000000000000000004 .00000000000000000000000000032 .00000000000000000000000000025 .0000000000000000000000000002 .00000000000000000000000000016 .000000000000000000000000000125 .0000000000000000000000000001 .00000000000000000000000000008 .000000000000000000000000000063 .00000000000000000000000000005 .00000000000000000000000000004 .000000000000000000000000000032 .000000000000000000000000000025 .00000000000000000000000000002 .000000000000000000000000000016 .0000000000000000000000000000125 .00000000000000000000000000001 .000000000000000000000000000008 .0000000000000000000000000000063 .000000000000000000000000000005 .000000000000000000000000000004 .0000000000000000000000000000032 .0000000000000000000000000000025 .000000000000000000000000000002 .0000000000000000000000000000016 .00000000000000000000000000000125 .000000000000000000000000000001 .0000000000000000000000000000008 .00000000000000000000000000000063 .0000000000000000000000000000005 .0000000000000000000000000000004 .00000000000000000000000000000032 .00000000000000000000000000000025 .0000000000000000000000000000002 .00000000000000000000000000000016 .000000000000000000000000000000125 .0000000000000000000000000000001 .00000000000000000000000000000008 .000000000000000000000000000000063 .00000000000000000000000000000005 .00000000000000000000000000000004 .000000000000000000000000000000032 .000000000000000000000000000000025 .00000000000000000000000000000002 .000000000000000000000000000000016 .0000000000000000000000000000000125 .00000000000000000000000000000001 .000000000000000000000000000000008 .0000000000000000000000000000000063 .000000000000000000000000000000005 .000000000000000000000000000000004 .0000000000000000000000000000000032 .0000000000000000000000000000000025 .000000000000000000000000000000002 .0000000000000000000000000000000016 .00000000000000000000000000000000125 .000000000000000000000000000000001 .0000000000000000000000000000000008 .00000000000000000000000000000000063 .0000000000000000000000000000000005 .0000000000000000000000000000000004 .00000000000000000000000000000000032 .00000000000000000000000000000000025 .0000000000000000000000000000000002 .00000000000000000000000000000000016 .000000000000000000000000000000000125 .0000000000000000000000000000000001 .00000000000000000000000000000000008 .000000000000000000000000000000000063 .00000000000000000000000000000000005 .00000000000000000000000000000000004 .000000000000000000000000000000000032 .000000000000000000000000000000000025 .00000000000000000000000000000000002 .000000000000000000000000000000000016 .0000000000000000000000000000000000125 .00000000000000000000000000000000001 .000000000000000000000000000000000008 .0000000000000000000000000000000000063 .000000000000000000000000000000000005 .000000000000000000000000000000000004 .0000000000000000000000000000000000032 .0000000000000000000000000000000000025 .000000000000000000000000000000000002 .0000000000000000000000000000000000016 .00000000000000000000000000000000000125 .000000000000000000000000000000000001 .0000000000000000000000000000000000008 .00000000000000000000000000000000000063 .0000000000000000000000000000000000005 .0000000000000000000000000000000000004 .00000000000000000000000000000000000032 .00000000000000000000000000000000000025 .0000000000000000000000000000000000002 .00000000000000000000000000000000000016 .000000000000000000000000000000000000125 .0000000000000000000000000000000000001 .00000000000000000000000000000000000008 .000000000000000000000000000000000000063 .00000000000000000000000000000000000005 .00000000000000000000000000000000000004 .000000000000000000000000000000000000032 .000000000000000000000000000000000000025 .00000000000000000000000000000000000002 .000000000000000000000000000000000000016 .0000000000000000000000000000000000000125 .00000000000000000000000000000000000001 .000000000000000000000000000000000000008 .0000000000000000000000000000000000000063 .000000000000000000000000000000000000005 .000000000000000000000000000000000000004 .0000000000000000000000000000000000000032 .0000000000000000000000000000000000000025 .000000000000000000000000000000000000002 .0000000000000000000000000000000000000016 .00000000000000000000000000000000000000125 .000000000000000000000000000000000000001 .0000000000000000000000000000000000000008 .00000000000000000000000000000000000000063 .0000000000000000000000000000000000000005 .0000000000000000000000000000000000000004 .00000000000000000000000000000000000000032 .00000000000000000000000000000000000000025 .0000000000000000000000000000000000000002 .00000000000000000000000000000000000000016 .000000000000000000000000000000000000000125 .0000000000000000000000000000000000000001 .008 .0063 .005 .004 .0032 .0025 .002 .0016 .00125 .001 .0008 .00063 .0005 .0004 .00032 .00025 .0002 .00016 .000125 .0001 .008 .0063 .005 .004 .0032 .0025 .002 .0016 .00125 .001 .0008 .00063 .0005 .0004 .00032 .00025 .0002 .00016 .000125 .0001 .008 .0063 .005 .004 .0032 .0025 .002 .0016 .00125 .001 .0008 .00063 .0005 .000000000000000000000000000									

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.

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use: Many factors beyond 3M's control and uniquely within user's control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer: Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OR TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

3M Electronics Materials Solutions Division  
13011 McCallen Pass, Bldg. C  
Austin, TX 78753-5380  
1-800-225-5373  
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		<div>3M</div> <div>3M Center St. Paul, MN 55144</div> <div>© 3M COPYRIGHT 2022</div> <div>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.</div>			
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	

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[3M:](#)

[3801/25](#) [C3801/20](#) [C3801/10](#) [C3801/16](#) [C3801/34](#) [C3801/40](#) [C3801/60](#) [3801/04](#) [3801/24BS](#) [7100162225](#)  
[7100162333](#) [7100165815](#)