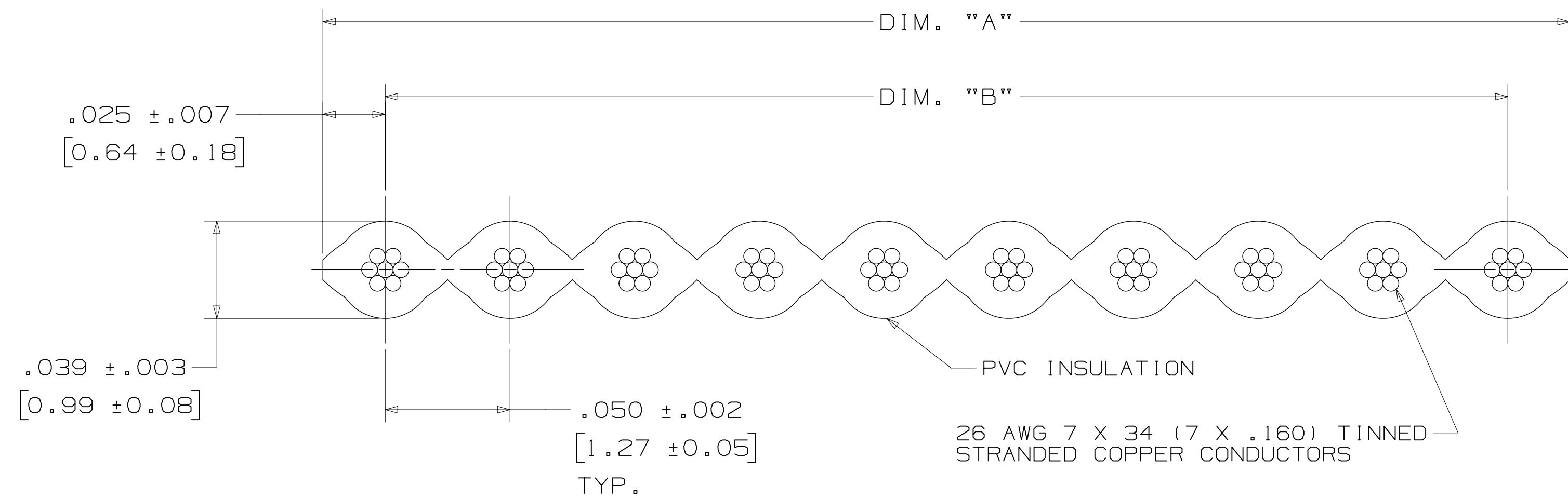


3M™ ROUND CONDUCTOR FLAT CABLE, 3801 SERIES

.050" 26 AWG STRANDED, PVC



NUMBER OF CONDUCTORS	3M PART NUMBER	DIMENSION "A"	DIMENSION "B"
04	3801/04	.200±.010 [5.08]	.150±.007 [3.18]
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]

NOTES

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: NONE
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 10⁹Ω/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"

RU AWM 2651 105C 300V VW1 3M NU
cRU AWM 1A 105C 300V FT1 EU <50V

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

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

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
D	0104000	MAY 04, 2022 ADDED 12 CONDUCTOR TO TABLE 1	LDS	FJR
C	73862	MAY 10, 2017 REVISED AND REDRAWN	JNC	RDE

DESIGN REFERENCE	NEXT ASSEMBLY	DIVISION CODE	EMSD
DO NOT SCALE DRAWING	SCALE 25/1	TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	MILLIMETERS	
MAX SURFACE ROUGHNESS	DT SURFACES	INCHES	
MARKED ONLY			

3M
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TITLE: ROUND CONDUCTOR FLAT CABLE, .050", 26 AWG STRANDED, PVC

CAGE NUMBER: D78-5100-0063-7
DRAWING NO.: 78-5100-0063-7
REV.: D

MODEL: 3801
SHT 1 OF 2

Imaged: Central Standard Time 5/4/2022 11:54:00 AM UTC Offset (hrs): 6
DRAWING NUMBER: 78-5100-0063-7
REVISION: 1

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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DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
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THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	MILLIMETERS		TITLE ROUND CONDUCTOR FLAT CABLE, .050", 26 AWG STRANDED, PVC		
MAX SURFACE ROUGHNESS	MARKED ONLY	INCHES		CAGE NUMBER D78-5100-0063-7		
		ANGLES		DRAWING NO. 78-5100-0063-7		
				REV. D		
				MODEL 3801		
				DET. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
				SHT 2 OF 2		

78-5100-0063-7
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 Time 5/4/2022 5:47:00 PM
 UTC Offset (hrs) 6