

3M™ ROUND CONDUCTOR FLAT CABLE, 3770 SERIES
.050" 26 AWG STRANDED, TPE

ORDERING INFORMATION
3770/XX XX

NUMBER OF CONDUCTORS
(SEE TABLE)

BLANK = STANDARD
SF = SPLICE FREE

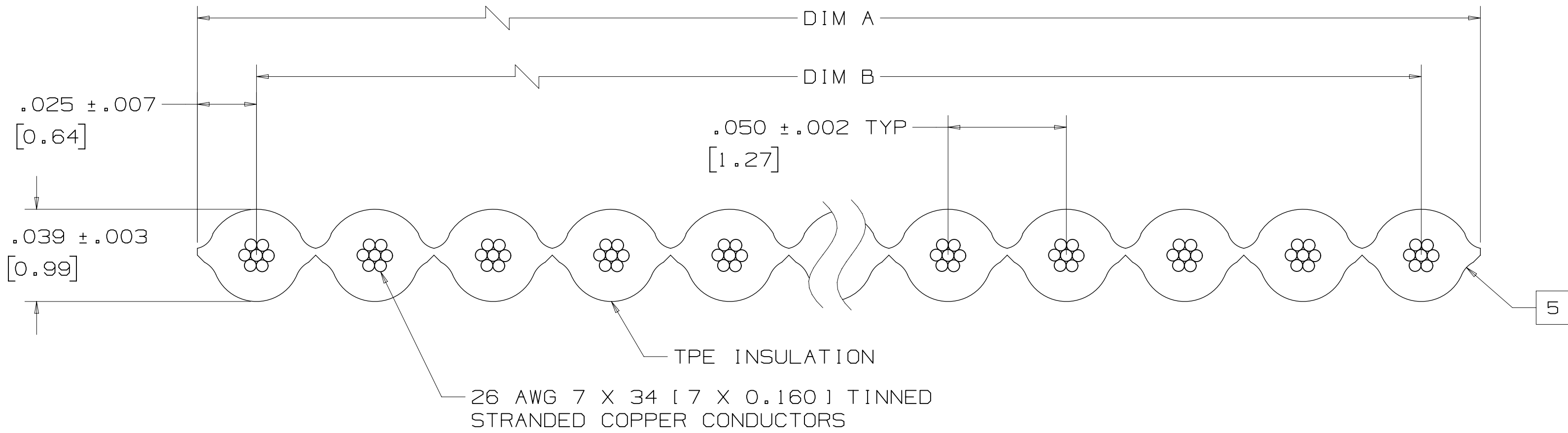
NOTE:
CONTACT 3M FOR AVAILABILITY OF ADDITIONAL CONDUCTOR
COUNTS AND/OR CUSTOM ROLL LENGTHS.

TABLE 1			
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]



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

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INFORMATION CALL 800-225-5373



PHYSICAL :

INSULATION
MATERIAL: THERMOPLASTIC ELASTOMER, TPE (TPO TYPE)
COLOR: GRAY
MARKING
STANDARD: NONE

CONDUCTORS
MATERIAL: 26 AWG, 7 X 34 [7 X 0.160] TINNED STRANDED COPPER

ELECTRICAL :

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

UNBALANCED
CHARACTERISTIC IMPEDANCE: 104Ω
CAPACITANCE: 13.1 pF/ft [42.98 pF/m]
INDUCTANCE: 0.14 μH/ft [0.46 μH/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

NOTES

- REGULATORY INFORMATION:
FOR REGULATORY INFORMATION
ABOUT THIS PRODUCT,VISIT
3m.com/regs OR CONTACT
YOUR 3M REPRESENTATIVE.

UL FILE NO: E42769,
STYLE NO: 20297
- 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 TERMINATION.
- BLUE MARKING ON ONE EDGE OF
CABLE DESIGNATES WIRE #1.

INCH [MM]			
TOLERANCE - UNLESS NOTED			
	.X	.XX	.XXX
INCH	±.1	±.05	±.010
[] = DIM. FOR REFERENCE ONLY			

DIMENSIONS: INCH [MM]

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD					
CODES		L	SCHMIDT	DEC 16,2021							
DIVISION	DIVISION CODE	CHKD	F RODRIGUEZ	DATE JAN 04,2022	APPRVL	DATE					
DO NOT SCALE DRAWING	SCALE 4 1	TOLERANCES EXCEPT AS NOTED									
THIRD ANGLE PROJECTION		INCHES .0 .00 .000 ± .0000 ±									
		MILLIMETERS 0 ± .0 .00 ± .000 ±									
MAX SURFACE ROUGHNESS 125 /	ALL SURFACES MARKED ONLY	ANGLES ±1 °									
TITLE ROUND CONDUCTOR FLAT CABLE SERIES 3770 .050" 26AWG STRANDED											
CAGE NUMBER D 78-5100-0342-5											
REV. F											
MODEL											

8

7

6

5

4

3

2

1

3M™ ROUND CONDUCTOR FLAT CABLE, 3770 SERIES

.050" 26 AWG STRANDED, TPE

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

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8

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DESIGN REFERENCE

NEXT ASSEMBLY

REV

ECO

ISSUE DATE AND DESCRIPTION

DRFT

CHKD

0101541

JAN 04,2022

LDS

TRP

REDRAWN

WORK REQUEST 13221

DRP

DATE

MFG

DATE

L SCHMIDT

DEC 16,2021

CHKD

DATE

APPRVL

DATE

F RODRIGUEZ

JAN 04,2022

DIVISION

DIVISION CODE

DO NOT SCALE DRAWING

SCALE

41

TOLERANCES EXCEPT AS NOTED

THIRD ANGLE PROJECTION

INCHES

0.00 ±

0.002 ±

0.000 ±

0.000 ±

INTERPRET PER ASME Y14.5 - 2018

MILLIMETERS

0 ±

0 ±

0.00 ±

0.00 ±

MAX SURFACE ROUGHNESS

125

ALL SURFACES

200 ±

200 ±

ANGLES ±1°

3M

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St. Paul,
MN 55144

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TITLE

ROUND CONDUCTOR FLAT CABLE SERIES 3770 .050" 26AWG STRANDED

CAGE NUMBER

SIZE

DRAWING NO.

REV.

D

78-5100-0342-5

F

MODEL

DET

LISTS

YES

NO

SHT 2 OF 2

D

D

C

C

B

B

A

A

8

7

6

5

4

3

2

1

F

78-5100-0342-5

178

6

1/20/2022

1

UTC

Imaged: Central Standard Time