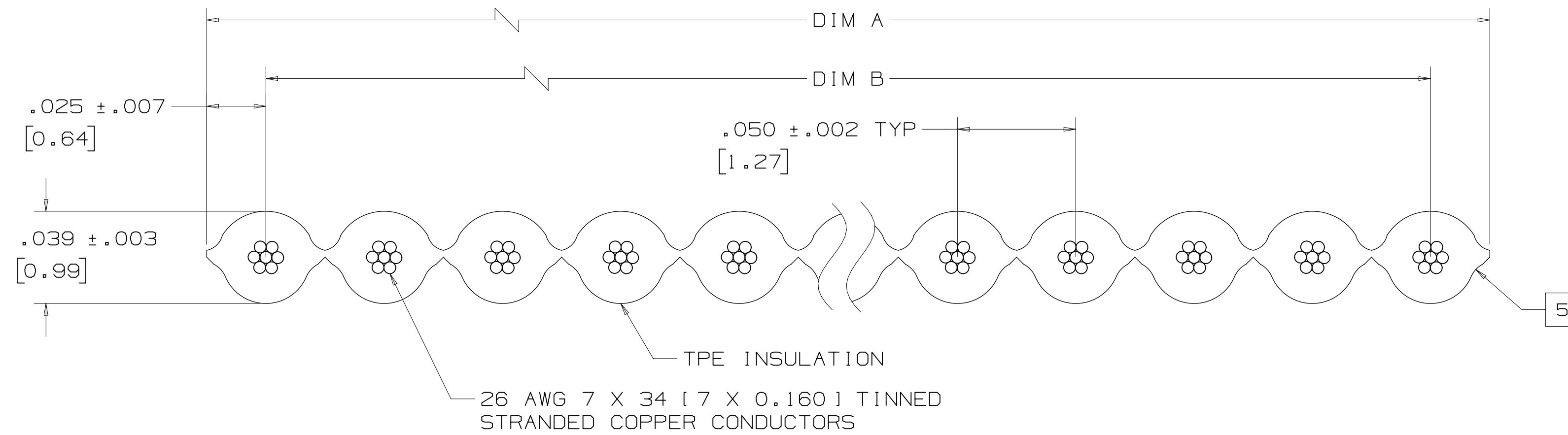


3M™ ROUND CONDUCTOR FLAT CABLE, 3770 SERIES  
 .050" 26 AWG STRANDED, TPE

- NOTES
- REGULATORY INFORMATION: FOR REGULATORY INFORMATION ABOUT THIS PRODUCT, VISIT [3m.com/regs](http://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.



ORDERING INFORMATION  
 3770/XX XX

BLANK = STANDARD  
 SF = SPLICE FREE

NUMBER OF CONDUCTORS (SEE TABLE)

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

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 10<sup>10</sup>Ω/10ft. [3m]

CHARACTERISTIC IMPEDANCE: UNBALANCED 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

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]



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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
		L	SCHMIDT	DEC 16, 2021	MFG	DATE
		F	RODRIGUEZ	JAN 04, 2022	APPL	DATE
DIVISION	DIVISION CODE	© 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.				
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED INCHES .00 .000 ± .0000 ± MILLIMETERS 0 .0 .00 ± .000 ±				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	TITLE ROUND CONDUCTOR FLAT CABLE SERIES 3770 .050" 26AWG STRANDED				
MAX SURFACE ROUGHNESS 125	ALL SURFACES MARKED ONLY	CAGE NUMBER	SIZE	DRAWING NO.	REV.	
		D		78-5100-0342-5	F	
		MODEL		DET	1	1 OF 2

178-5100-0342-5  
 DRAWING NUMBER  
 1/20/2022 -- UTC  
 Drf-set (hrs) 6

8 7 6 5 4 3 2 1  
**3M™ ROUND CONDUCTOR FLAT CABLE, 3770 SERIES**  
 .050" 26 AWG STRANDED, TPE

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REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD			
F	0101541	JAN 04, 2022 REDRAWN WORK REQUEST 13221	LDS	TRP			
DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD	
ACROSS CODES		DRP	L SCHMIDT	DATE	DEC 16, 2021	MFG	DATE
		DRK	F RODRIGUEZ	DATE	JAN 04, 2022	APPL	DATE
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DO NOT SCALE DRAWING	SCALE $\frac{4}{1}$	TOLERANCES EXCEPT AS NOTED		 3M Center St. Paul, MN 55144			
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	INCHES		TITLE			
		.00 ±		ROUND CONDUCTOR FLAT CABLE SERIES 3770			
		.000 ±		.050" 26AWG STRANDED			
		.0000 ±		CAGE NUMBER			
		MILLIMETERS		D 78-5100-0342-5			
		0 ±		DRAWING NO.			
		.0 ±		REV.			
		.00 ±		F			
		.000 ±		MODEL			
		ANGLES ±1°		DET			
				LISTS			
				YES			
				NO			
				SHT 2 OF 2			

178-5100-0342-5 DRAWING NUMBER  
 F REVISION  
 1/20/2022 -- UTC  
 Drr.set (hrs) 6