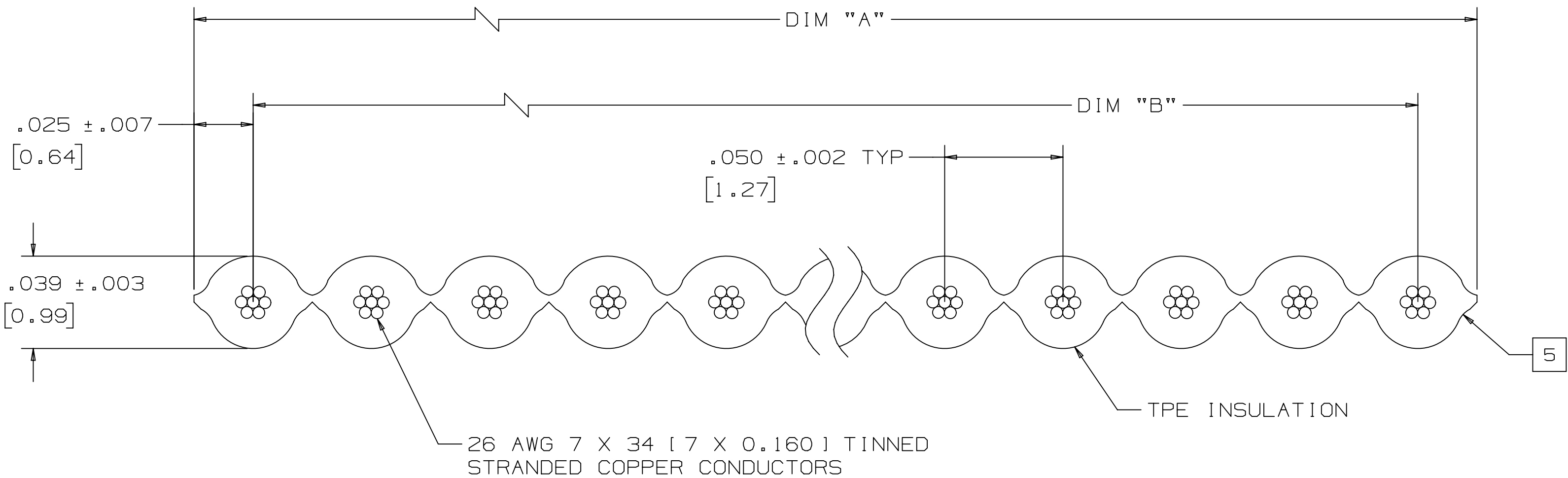


3M™ ROUND CONDUCTOR FLAT CABLE, 3770 SERIES
.050" 26 AWG STRANDED, TPE



ORDERING INFORMATION
3770/XX XX

NUMBER OF CONDUCTORS (SEE TABLE 1) 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]
12	3770/12	0.600±.010 [15.24]	0.550±.007 [13.97]
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

- * 26 AWG WIRE ON .050 INCH CENTERS PERMITS MASS TERMINATION TO A BOARD LINE OF IDC CONNECTORS.
- * TPE INSULATION PROVIDES EXCELLENT TRANSMISSION PROPERTIES AT A LOW COST.
- * ZIPPABLE FOR BRANCHING OR DISCRETE TERMINATION.

PHYSICAL :

INSULATION:
MATERIAL: THERMOPLASTIC ELASTOMER, TPE (TPO TYPE)
COLOR: GRAY
NOMINAL WALL THICKNESS: .010 [0.25]
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
1. REGULATORY INFORMATION:
VISIT 3M.com/regs

UL FILE NO: E42769,
STYLE NO: 20297
 2. 26 AWG WIRE ON .050 INCH CENTERS PERMITS MASS TERMINATION TO A BROAD LINE OF IDC CONNECTORS.
 3. TPE INSULATION PROVIDES EXCELLENT TRANSMISSION PROPERTIES AT A LOW COST.
 4. ZIPPABLE FOR BRANCHING OR DISCRETE TERMINATION.
 5. BLUE MARKING ON ONE EDGE OF CABLE DESIGNATES WIRE #1.

DIMENSIONS: INCHES [MM]
[MM] IS FOR REF. ONLY

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
AXES CODES		DRFT	L SCHMIDT	DATE DEC 16, 2021	WFS	DATE
		CHKD	F RODRIGUEZ	DATE JAN 04, 2022	APPL	DATE
DIVISION	DIVISION CODE DEPP	3M 3M Center St. Paul, MN 55144				
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	INCHES 0 ± .1 .00 ± .05 .000 ± .010 .0000 ± .0002				
MAX. SURFACE ROUGHNESS	ALL SURFACES	MILLIMETERS 0 ± .1 .00 ± .05 .000 ± .010				
MARKED ONLY	ANGLES	CAGE NUMBER D 78-5100-0342-5				
		MODEL 3770				

G	115882	APR 24, 2024	JNC	FJR
F	0101541	JAN 04, 2022	LDS	TRP
		REDRAWN		
		WORK REQUEST 13221		

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

REV. 1 OF 2

	8	7	6	5	4	3	2	1	
	3M™ ROUND CONDUCTOR FLAT CABLE, 3770 SERIES .050" 26 AWG STRANDED, TPE								
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A	3M ELECTRONICS MATERIALS SOLUTIONS DIVISION INTERCONNECT SOLUTIONS http://www.3M.com/interconnect								A
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	8	7	6	5	4	3	2	1	

		G	115882	APR 24,2024		JNC	FJR		
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				CHKD F RODRIGUEZ		DATE JAN 04,2022		APPL DATE	
DIVISION		DIVISION CODE DEPP		 3M Center St. Paul, MN 55144				© 3M COPYRIGHT 2025 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		TOLERANCES EXCEPT AS NOTED							
THIRD ANGLE PROJECTION		INCHES ±.1 ±.05 ±.010 ±.0002		TITLE				ROUND CONDUCTOR FLAT CABLE SERIES 3770 .050" 26AWG STRANDED	
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ± ±.00 ±.000		CAGE NUMBER				DRAWING NO.	
MAX SURFACE ROUGHNESS ALL SURFACES ✓ MARKED ONLY		ANGLES ±		D78-5100-0342-5				REV. G	
				MODEL 3770				DET LISTS	
								YES NO SHT 2 OF 2	