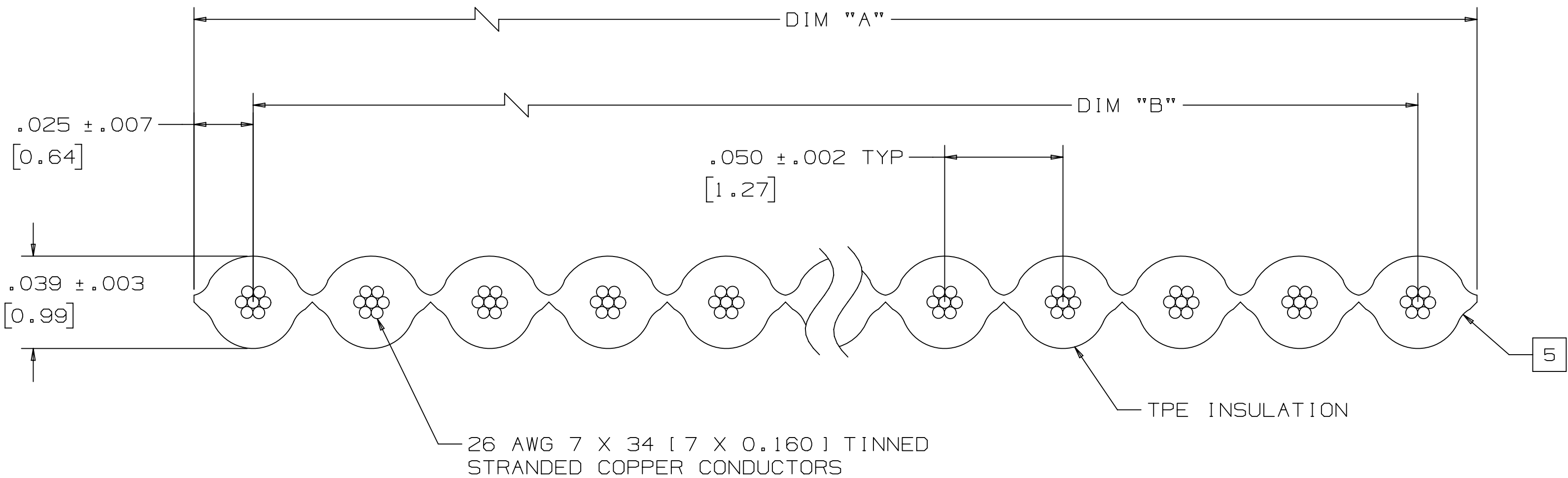


3M™ ROUND CONDUCTOR FLAT CABLE, 3770 SERIES
.050" 26 AWG STRANDED, TPE



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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FOR TECHNICAL, SALES OR ORDERING
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
ADDER CODES		DRFT	L SCHMIDT	DATE DEC 16, 2021	DATE	
		CHKD	F RODRIGUEZ	DATE JAN 04, 2022	APPR	DATE
DIVISION	DIVISION CODE DEPP	© 3M COPYRIGHT 2025				
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 D78-5100-0342-5				
		MODEL 3770				

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

3M Center St. Paul, MN 55144

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

LISTS YES NO SHT 1 OF 2

	8	7	6	5	4	3	2	1	
	3M™ ROUND CONDUCTOR FLAT CABLE, 3770 SERIES .050" 26 AWG STRANDED, TPE								
D									D
	Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.								
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	8	7	6	5	4	3	2	1	

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREFS		XREFS		DRFT	L SCHMIDT	DATE	DEC 16,2021	MFG	DATE
DIVISION		DIVISION CODE		CHKD	F RODRIGUEZ	DATE	JAN 04,2022	APPR	DATE
DO NOT SCALE DRAWING		SCALE		TOLERANCES EXCEPT AS NOTED		3M 3M Center St. Paul, MN 55144 © 3M COPYRIGHT 2025 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		INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS		TITLE			
MAX SURFACE ROUGHNESS		ALL SURFACES		CAGE NUMBER		SIZE		DRAWING NO.	
MARKED ONLY		ANGLES		MODEL		3770		REV.	
				NUMBER		D		78-5100-0342-5	
				LISTS		YES		NO	
				SHT		2		OF 2	