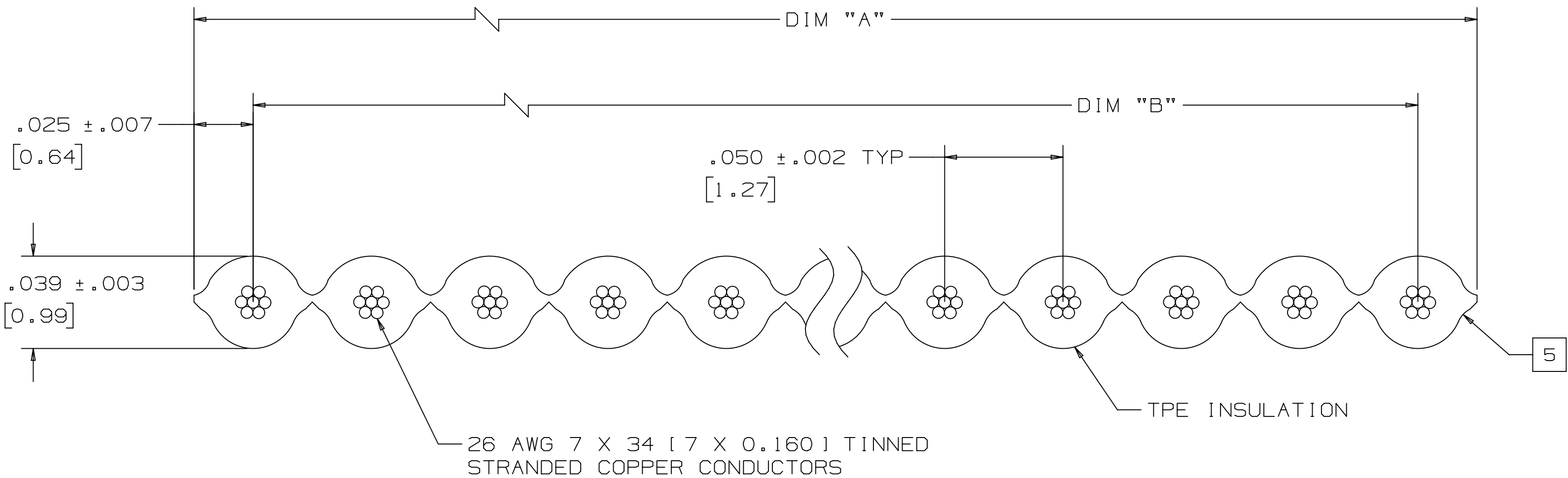


3M™ ROUND CONDUCTOR FLAT CABLE, 3770 SERIES
.050" 26 AWG STRANDED, TPE



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>

3M IS A TRADEMARK OF 3M COMPANY.
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.

- 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.

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

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	MFG	DATE
		CHKD	F RODRIGUEZ	DATE JAN 04, 2022	APPL	DATE
DIVISION	DIVISION CODE DEPP					
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					
		TITLE ROUND CONDUCTOR FLAT CABLE SERIES 3770 .050" 26AWG STRANDED				
		CAGE NUMBER D78-5100-0342-5				
		MODEL 3770				
		REV. 1 OF 2				



UL FILE No: E42769
STYLE No: 20297

78-5100-0342-5
Drawing Number

B

A

	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.								
	Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.								
C	Product Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.								C
	Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement or repair of the 3M product or refund of the purchase price.								
	Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by applicable law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.								
B	Disclaimer: For industrial use only. Not intended, labeled or packaged for consumer sale or use.								B
	3M Company Electronics Materials Solutions Division 13011 McCallen Pass, Bldg. C Austin, TX 78753-5380 1-800-225-5373 www.3M.com/interconnect								
A	3M ELECTRONICS MATERIALS SOLUTIONS DIVISION INTERCONNECT SOLUTIONS http://www.3M.com/interconnect 3M IS A TRADEMARK OF 3M COMPANY. FOR TECHNICAL, SALES OR ORDERING INFORMATION CALL 800-225-5373								A
	8	7	6	5	4	3	2	1	

		G	115882	APR 24,2024		JNC	FJR
		F	0101541	ADD 12 POSITION		LDS	TRP
		REDRAWN WORK REQUEST 13221					
DESIGN REFERENCE		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREFS		DRFT	L SCHMIDT	DATE	DEC 16,2021	MFG	DATE
		CHKD	F RODRIGUEZ	DATE	JAN 04,2022	APPL	DATE
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2025			
		DEPP		3M Center St. Paul, MN 55144			
DO NOT SCALE DRAWING		SCALE		TOLERANCES EXCEPT AS NOTED			
				INCHES			
				.00 ± .1			
				.000 ± .05			
				.0000 ± .010			
				.0000 ± .0002			
THIRD ANGLE PROJECTION				MILLIMETERS			
				0 ±			
INTERPRET PER ASME Y14.5 - 2018				.00 ±			
				.000 ±			
MAX SURFACE ROUGHNESS				.000 ±			
ALL SURFACES				ANGLES			
✓ MARKED ONLY							
				MODEL		3770	
				CAGE NUMBER		D78-5100-0342-5	REV. G
				SIZE		1	
				DRAWING NO.		78-5100-0342-5	
				DET		1	
				YES		NO	
				SHT		2 OF 2	