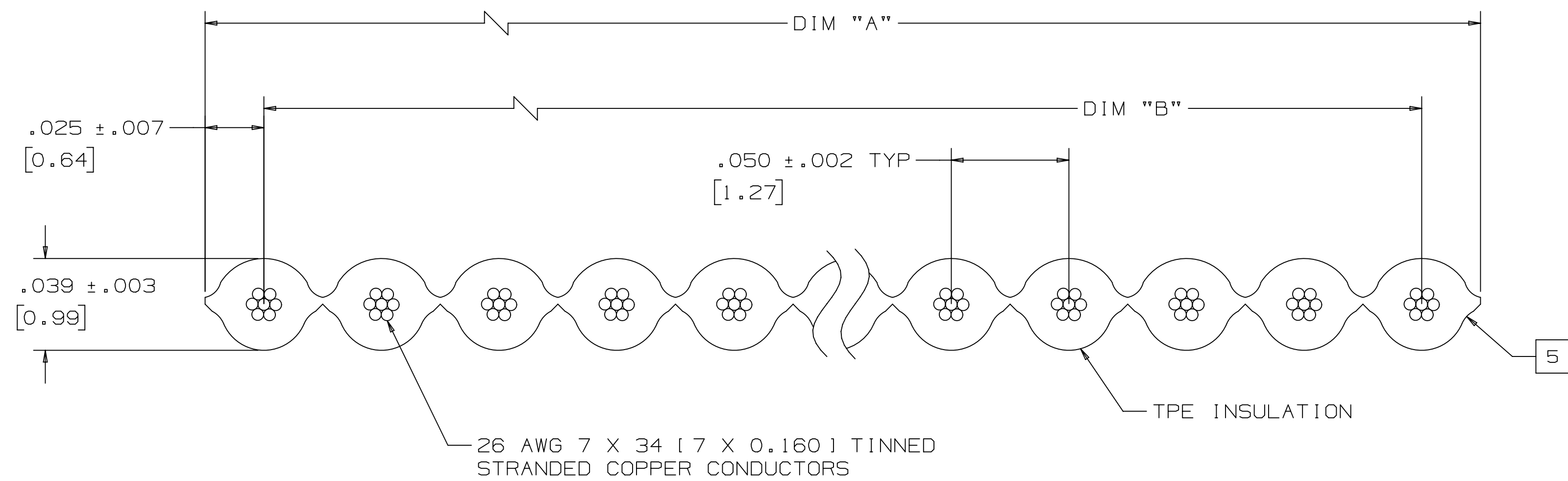


3M™ ROUND CONDUCTOR FLAT CABLE, 3770 SERIES
 .050" 26 AWG STRANDED, TPE



- * 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
- REGULATORY INFORMATION: VISIT 3M.com/regs
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

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.

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]

PHYSICAL :
 INSULATION: THERMOPLASTIC ELASTOMER, TPE (TPO TYPE)
 MATERIAL: THERMOPLASTIC ELASTOMER, TPE (TPO TYPE)
 COLOR: GRAY
 NOMINAL WALL THICKNESS: .010 [0.25]
 MARKING: NONE
 STANDARD: NONE
 CONDUCTORS: 26 AWG, 7 X 34 [7 X 0.160] TINNED STRANDED COPPER
 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

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
1		APR 24, 2024 ADD 12 POSITION	JNC	FJR
2		JAN 04, 2022 REDRAWN WORK REQUEST 13221	LDS	TRP
3		DEC 16, 2021		
4		JAN 04, 2022		

DESIGN REFERENCE: NEXT ASSEMBLY

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION

MAX SURFACE ROUGHNESS

MARKED ONLY

3M

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

CAGE NUMBER: D78-5100-0342-5

REV. G

DET: [] YES [X] NO SHT 1 OF 2

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

RU
 UL FILE No: E42769
 STYLE No: 20297

DRAWING NUMBER: 78-5100-0342-5

REVISION: G

