

3M™ ROUND CONDUCTOR FLAT CABLE, 3770 SERIES

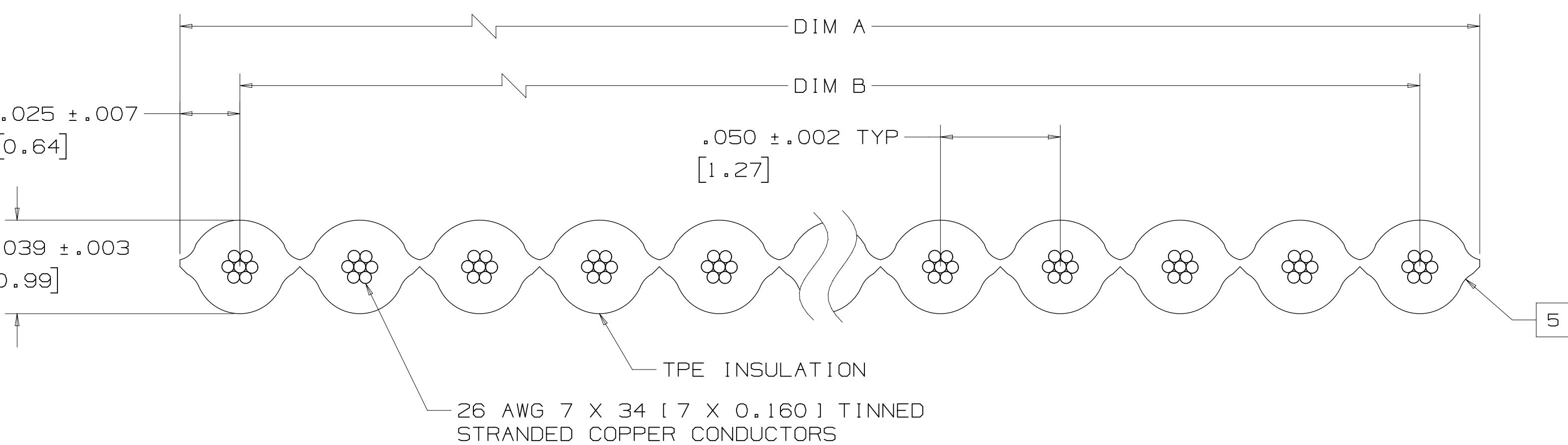
.050" 26 AWG STRANDED, TPE

ORDERING INFORMATION

3770/XX XX

NUMBER OF CONDUCTORS
(SEE TABLE)

BLANK = STANDARD
SF = SPLICING 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]
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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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 10¹⁰Ω/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

INCH [MM]			
TOLERANCE - UNLESS NOTED			
	.X	.XX	.XXX
INCH	± .1	± .05	± .010
[] = DIM. FOR REFERENCE ONLY			

DIMENSIONS: INCH [MM]		DESIGN REFERENCE		NEXT ASSEMBLY		ISSUE DATE AND DESCRIPTION		DRW'T	TRP
REV	ECO	DATE	REV	ECO	DATE	APPROVAL	DATE	CHKD	
		L SCHMIDT		D RODRIGUEZ		APR 04, 2022		APR 04, 2022	
		DATE 16.2021		DATE JUN 04, 2022					
		MFG DATE		APPROVAL DATE					
		3M Center St. Paul, MN 55144		3M Center St. Paul, MN 55144					
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		3M		3M					
		DIMENSION CODES		DIMENSION CODE					
		ACCESSES		ACCESSES					
		CODES		CODES					
		DIVISION		DIVISION					
		INTERPRET PER		INTERPRET PER					
		ASME Y14.5 - 2018		ASME Y14.5 - 2018					
		MAX SURFACE ROUGHNESS		MAX SURFACE ROUGHNESS					
		125/		125/					
		ALL SURFACES		ALL SURFACES					
		MARKED ONLY		MARKED ONLY					
		ANGLES ± 1°		ANGLES ± 1°					
		CAGE NUMBER		CAGE NUMBER					
		DRAWING NO.		DRAWING NO.					
		D 78-5100-0342-5		F 78-5100-0342-5					
		REV.		REV.					
		DET. LISTS		DET. LISTS					
		YES		NO					
		SHT 1 OF 2		SHT 1 OF 2					

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.050" 26 AWG STRANDED, TPE

Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

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REDRAWN				
WORK REQUEST 13221				
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
L	SCHMIDT	DATE 16.2021	MFG	DATE
P	RODRIGUEZ	DATE 04.2022	APPVL	DATE
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ROUND CONDUCTOR FLAT CABLE SERIES 3770 .050" 26AWG STRANDED				
DESIGN REFERENCE	NEXT ASSEMBLY			
ACCESS CODES	DIVISION CODE			
DO NOT SCALE DRAWING				
SCALE 4				
TOLERANCES EXCEPT AS NOTED				
INCHES				
.0 .00 .000 .0000 ±				
MILLIMETERS				
.0 .00 .000 .0000 ±				
THIRD ANGLE PROJECTION				
INTERPRET PER ASME Y14.5 - 2018				
MAX SURFACE ROUGHNESS				
125/ □ ALL SURFACES				
CAGE NUMBER D 78-5100-0342-5				
DRAWING NO. F				
REV. D				
MODEL				
DET. LISTS □ YES □ NO SHT 2 OF 2				