

3M™ ROUND CONDUCTOR FLAT CABLE, 3355 SERIES

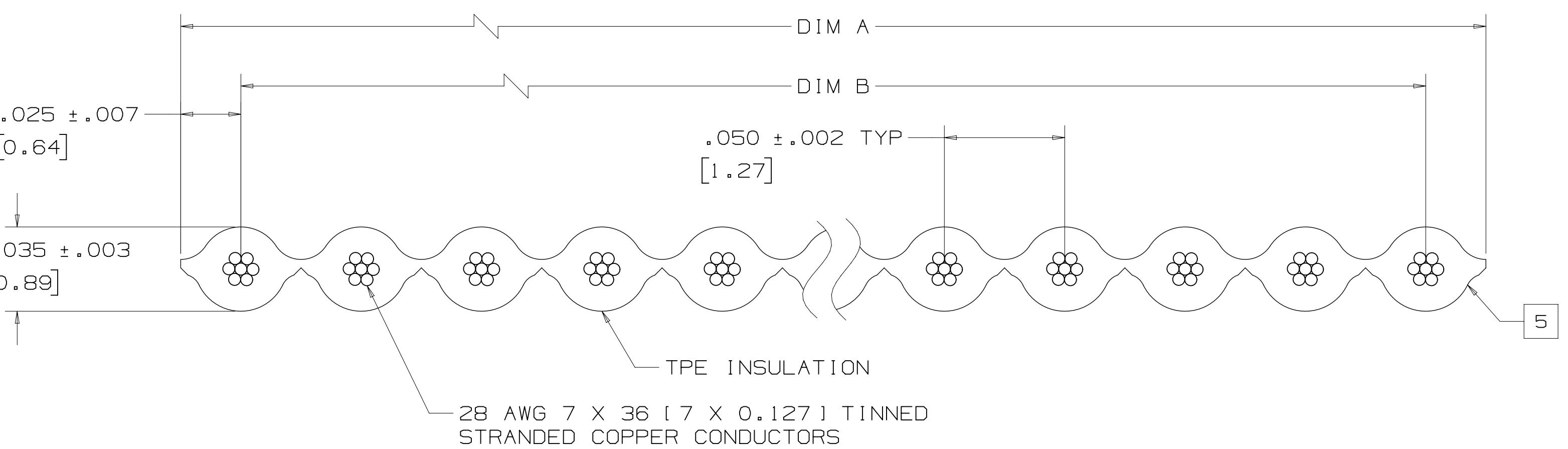
.050" 28 AWG STRANDED, TPE

ORDERING INFORMATION

3355/XX XX

NUMBER OF CONDUCTORS
(SEE TABLE)

BLANK = STANDARD
SF = SPLICE FREE



NOTE:
AVAILABLE IN STANDARD 100 FT [30 m] OR 300 FT [91 m] ROLLS.
PLEASE SPECIFY WHEN ORDERING. 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	3355/09	0.450±.010 [11.43]	0.400±.007 [10.16]
10	3355/10	0.500±.010 [12.70]	0.450±.007 [11.43]
14	3355/14	0.700±.010 [17.78]	0.650±.007 [16.51]
15	3355/15	0.750±.010 [19.05]	0.700±.007 [17.78]
16	3355/16	0.800±.015 [20.32]	0.750±.011 [19.05]
18	3355/18	0.900±.015 [22.86]	0.850±.011 [21.59]
20	3355/20	1.000±.015 [25.40]	0.950±.011 [24.13]
24	3355/24	1.200±.015 [30.48]	1.150±.011 [29.21]
25	3355/25	1.250±.015 [31.75]	1.200±.011 [30.48]
26	3355/26	1.300±.015 [33.02]	1.250±.011 [31.75]
30	3355/30	1.500±.020 [38.10]	1.450±.015 [36.83]
34	3355/34	1.700±.020 [43.18]	1.650±.015 [41.91]
36	3355/36	1.800±.020 [45.72]	1.750±.015 [44.45]
37	3355/37	1.850±.020 [46.99]	1.800±.015 [45.72]
40	3355/40	2.000±.020 [50.80]	1.950±.015 [49.53]
50	3355/50	2.500±.020 [63.50]	2.450±.015 [62.23]
60	3355/60	3.000±.020 [76.20]	2.950±.015 [74.93]
64	3355/64	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: 28 AWG, 7 X 36 [7 X 0.127] TINNED STRANDED COPPER

ELECTRICAL

VOLTAGE RATING: USA: 300V EU: <50V
INSULATION RESISTANCE: >1 X 10¹⁰Ω/10ft. [3m]

CHARACTERISTIC IMPEDANCE: 117Ω
CAPACITANCE: 11.7 pF/ft [38.4 pF/m]
INDUCTANCE: 0.16 μH/ft [0.52 μH/m]
PROPAGATION DELAY: 1.37 ns/ft [4.49 ns/m]
VELOCITY OF PROPAGATION: 74%

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	
ACCESS CODES	DIVISION	DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	DATE	DRW
		L SCHMIDT	DEC 15, 2021			0101541	JAN 04, 2022
		OKD	DATE	APPL	DATE		REDRAWN
						WORK REQUEST 13221	
						DRW	
						TRP	
						F	
						LDS	
						NOTES	
						1	

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3M™ ROUND CONDUCTOR FLAT
CABLE SERIES 3355
.050" 28AWG STRANDED

Imaged: Central Standard Time 1/20/2022 -- UTC offset (hrs) 6

Standard Time 1/20/2022 -- UTC offset (hrs) 6

78-5100-0317-7

3M™ ROUND CONDUCTOR FLAT CABLE, 3355 SERIES

.050" 28 AWG STRANDED, TPE

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DESIGN REFERENCE		NEXT ASSEMBLY		F	0101541	JAN 04, 2022	LDS	TRP	
				REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD	
ACCESS CODES				DRFT	L SCHMIDT	DATE DEC 15, 2021	MFG	DATE	
				CHKD		DATE	APPVL	DATE	
DIVISION		DIVISION CODE		3M		© 3M COPYRIGHT 2022 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	SCALE 4 1	TOLERANCES EXCEPT AS NOTED		3M Center St. Paul, MN 55144					
 THIRD ANGLE PROJECTION		INCHES 0 ± 0.0 ± 0.00 ± 0.000 ±		TITLE		ROUND CONDUCTOR FLAT CABLE SERIES 3355 050" 28AWG STRANDED			
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ± 0.0 ± 0.00 ±		CAGE NUMBER	SIZE	DRAWING NO.			REV.
MAX SURFACE ROUGHNESS 125		<input type="checkbox"/> ALL SURFACES <input checked="" type="checkbox"/> MARKED ONLY		D	78-5100-0317-7				F
ANGLES ± 1°				MODEL	DET. LISTS	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		SHT 2 OF 2	