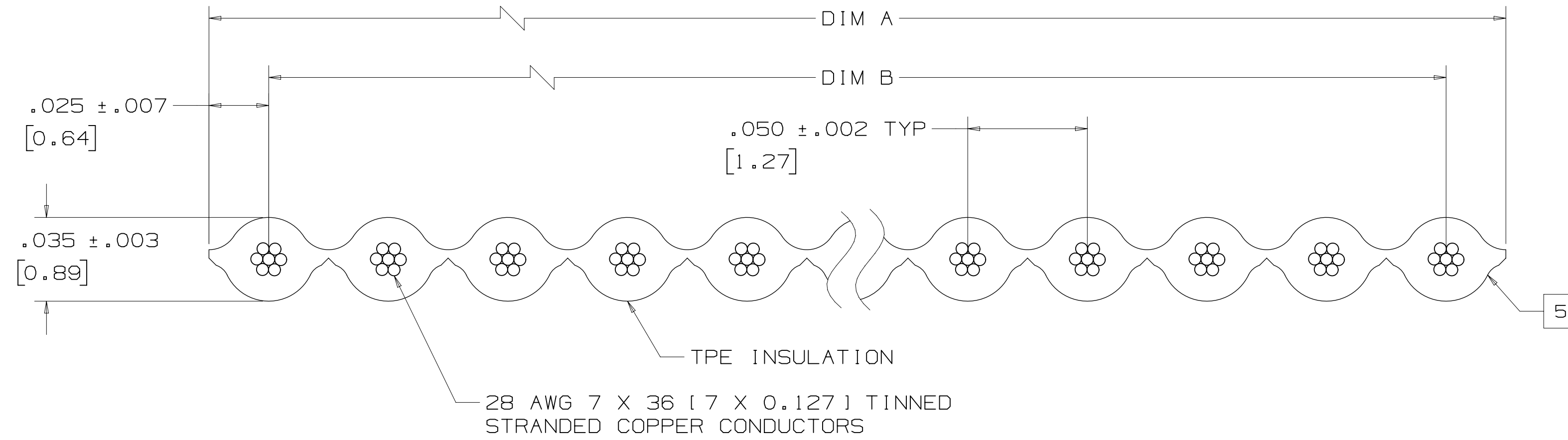


3M™ ROUND CONDUCTOR FLAT CABLE, 3355 SERIES
 .050" 28 AWG STRANDED, TPE

- NOTES
- REGULATORY INFORMATION: FOR REGULATORY INFORMATION ABOUT THIS PRODUCT, VISIT 3m.com/regs OR CONTACT YOUR 3M REPRESENTATIVE.
 UL FILE NO: E42769.
 STYLE NO: 20297
 - 28 AWG WIRE ON .050 INCH CENTERS PERMITS MASS TERMINATIONS 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
 3355/XX XX

BLANK = STANDARD
 SF = SPLICE FREE

NUMBER OF CONDUCTORS (SEE TABLE)

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.

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: UNBALANCED 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

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]



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

DIMENSIONS: INCH [MM]

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
		L	SCHMIDT	DEC 15, 2021		
DIVISION	DIVISION CODE	CHKD	DATE	APPL	DATE	
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED		© 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.		
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	MILLIMETERS		TITLE ROUND CONDUCTOR FLAT CABLE SERIES 3355 .050" 28AWG STRANDED		
MAX SURFACE ROUGHNESS 125	<input type="checkbox"/> ALL SURFACES <input checked="" type="checkbox"/> MARKED ONLY	CAGE NUMBER	SIZE	DRAWING NO.	REV.	
		D		78-5100-0317-7	F	
		MODEL		DET	ISTS	YES X NO
						SHT 1 OF 2

178-5100-0317-7
 DRAWING NUMBER
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 REVISION
 1/20/2022 -- UTC
 Drt-set (hrs) 6

8 7 6 5 4 3 2 1
3M™ ROUND CONDUCTOR FLAT CABLE, 3355 SERIES
 .050" 28 AWG STRANDED, TPE

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				L	SCHMIDT	DEC 15, 2021	WORK REQUEST 13221		
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THIRD ANGLE PROJECTION		INCHES	MILLIMETERS	TITLE ROUND CONDUCTOR FLAT CABLE SERIES 3355 .050" 28AWG STRANDED					
INTERPRET PER ASME Y14.5 - 2018		MAX SURFACE ROUGHNESS	ANGLES ±1°	CAGE NUMBER	SIZE	DRAWING NO.	REV.		
125		<input type="checkbox"/> ALL SURFACES <input checked="" type="checkbox"/> MARKED ONLY		D		78-5100-0317-7	F		
				MODEL	DET		SHT 2 OF 2		

78-5100-0317-7 DRAWING NUMBER
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