

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

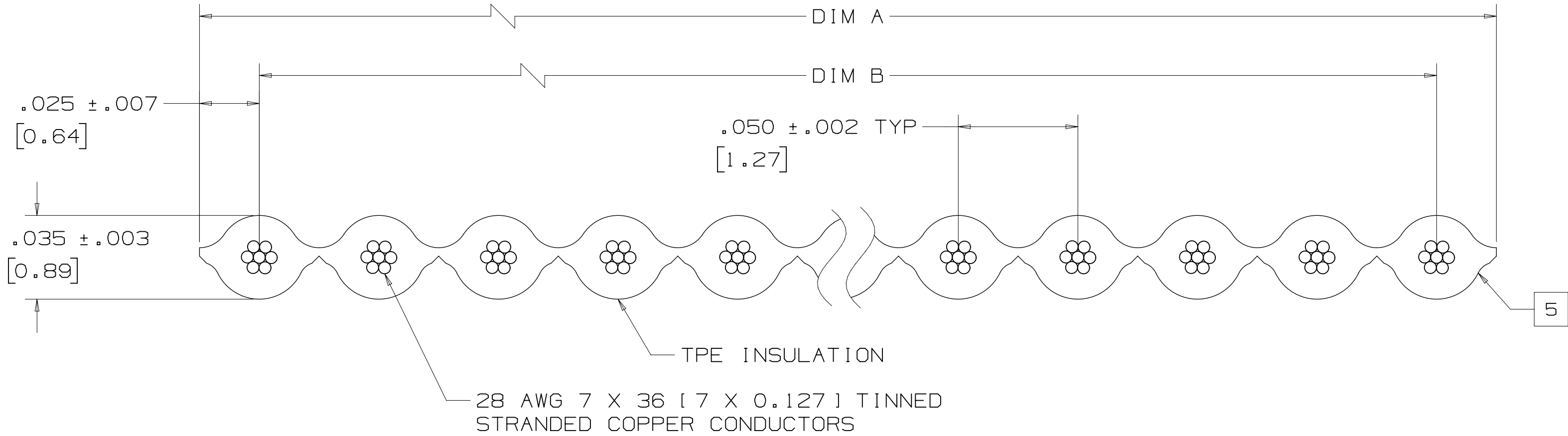
NOTE:
AVAILABLE IN STANDARD 100 FT [30 m] OR 300 FT [91 m] ROLLS.
PLEASE SPECIFY WHEN ORDERING. CONTACT 3M FOR AVAILABILITY
OF ADDITIONAL CONDUCTOR COUNTS AND/OR CUSTOM ROLL
LENGTHS.

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: 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

- 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.
 - ZIPPERABLE FOR BRANCHING OR
DISCRETE TERMINATION.
 - BLUE MARKING ON ONE EDGE OF
CABLE DESIGNATES WIRE #1.

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

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES				DRP	L SCHMIDT	DATE	DEC 15, 2021	MFG	DATE
				CHKD		DATE		APPRVL	DATE
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2022					
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THIRD ANGLE PROJECTION		TOLERANCES EXCEPT AS NOTED		ROUND CONDUCTOR FLAT CABLE SERIES 3355 .050" 28AWG STRANDED					
INTERPRET PER ASME Y14.5 - 2018		INCHES .00 .00 .000 ± .0000 ±		CAGE NUMBER D78-5100-0317-7					
MAX SURFACE ROUGHNESS 125/√		MILLIMETERS 0 ± .00 ± .00 ± .000 ±		DRAWING NO. 78-5100-0317-7					
□ ALL SURFACES MARKED ONLY		ANGLES ±1°		REV. F					
				MODEL					
				DET. []ISTS []YES []NO []SHT 1 OF 2					

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

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

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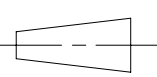
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3M Business Center
Electronics Materials Solutions Division
13011 McCallen Pass, BLDG C
Austin, TX 78753-5380
1-800-225-5373
www.3M.com/interconnect

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3M.com/interconnect>

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DESIGN REFERENCE		NEXT ASSEMBLY		F 0101541		JAN 04,2022		LDS		TRF	
REDRAWN WORK REQUEST 13221				DRFT ECO		ISSUE DATE AND DESCRIPTION				DRFT CHKD	
REV L SCHMIDT CHKD				DATE DEC 15,2021		MFG DATE				APPRVL DATE	
DIVISION				DIVISION CODE							
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				INCHES .0 .00 .000 .0000 MILLIMETERS 0 .0 .00 .000 .0000		TITLE ROUND CONDUCTOR FLAT CABLE SERIES 3355 .050" 28AWG STRANDED					
THIRD ANGLE PROJECTION				INTERPRET PER ASME Y14.5 - 2018		CASE NUMBER SIZE D		DRAWING NO. 5100-0317-7			
MAX SURFACE ROUGHNESS 125 <input checked="" type="checkbox"/> ALL SURFACES <input checked="" type="checkbox"/> MARKED ONLY				ANGLES ±1°		MODEL DET		THIS IS YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> SHT 2 OF F			