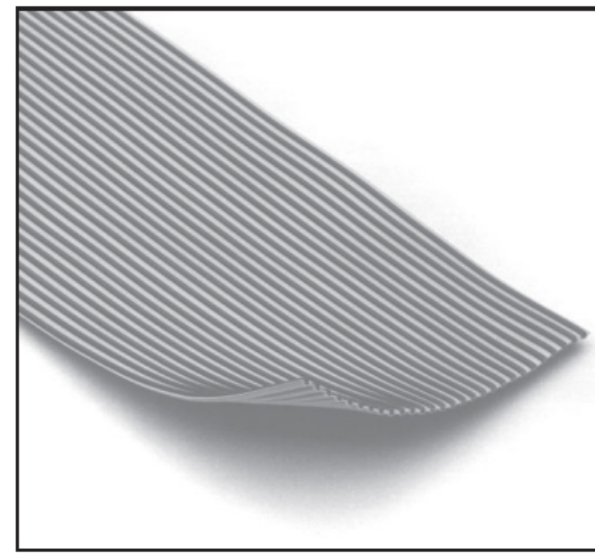
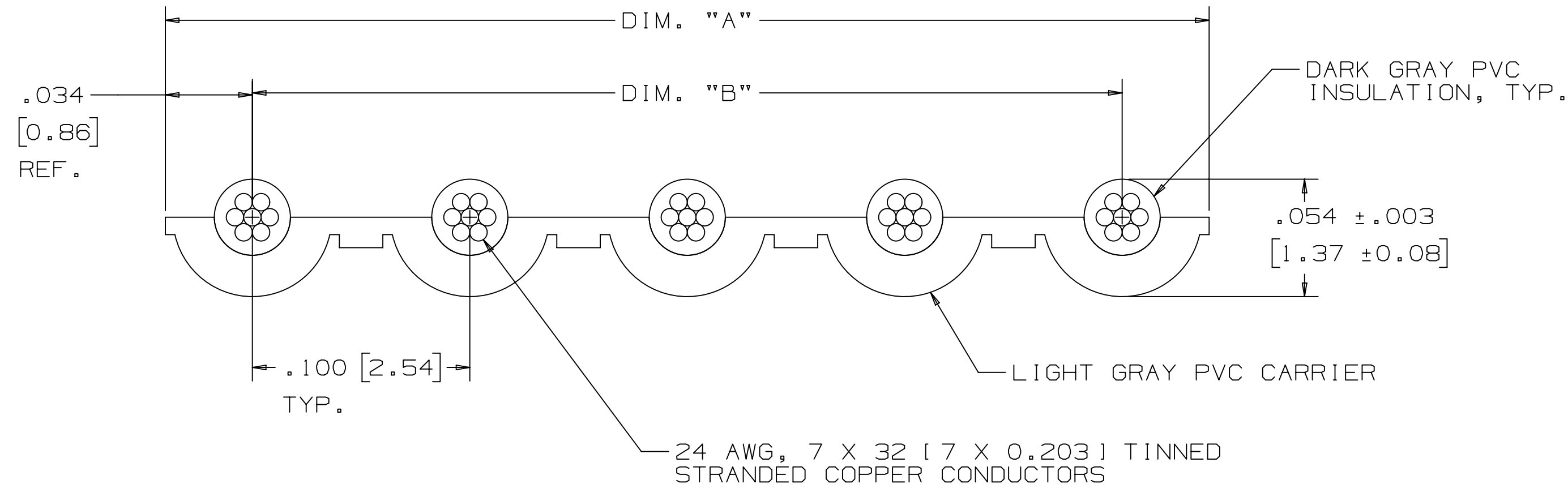


.100", 24 AWG STRANDED, PVC



- |    |  |
|----|--|
| 1. | REGULATORY INFORMATION:<br>VISIT <a href="http://3M.com/regs">3M.com/regs</a><br>OR CONTACT YOUR 3M REPRESENTATIVE.                                |
| 2. | IN THE EVENT OF CONFLICT<br>BETWEEN THIS DATA AND THAT<br>CONTAINED IN THE PRODUCT<br>SPECIFICATION, THE PRODUCT<br>SPECIFICATION TAKES PRECEDENT. |
| 3. | RED MARKING ON ONE EDGE OF<br>CABLE DESIGNATES WIRE #1.  |



NUMBER OF CONDUCTORS	3M PART NUMBER	DIM. "A"	DIM. "B"
03	8125/03	.268±.010 [ 6.81 ]	.200±.007 [ 5.08 ]
04	8125/04	.368±.010 [ 9.35 ]	.300±.007 [ 7.62 ]
05	8125/05	.468±.010 [ 11.89 ]	.400±.007 [ 10.16 ]
06	8125/06	.568±.010 [ 14.43 ]	.500±.007 [ 12.70 ]
08	8125/08	.768±.010 [ 19.51 ]	.700±.007 [ 17.78 ]
09	8125/09	.868±.010 [ 22.05 ]	.800±.007 [ 20.32 ]
10	8125/10	.968±.010 [ 24.59 ]	.900±.007 [ 22.86 ]
12	8125/12	1.168±.015 [ 29.67 ]	1.100±.011 [ 27.94 ]
13	8125/13	1.268±.015 [ 32.21 ]	1.200±.011 [ 30.48 ]
14	8125/14	1.368±.015 [ 34.65 ]	1.300±.011 [ 33.02 ]
15	8125/15	1.468±.015 [ 37.29 ]	1.400±.011 [ 35.56 ]
16	8125/16	1.568±.015 [ 39.83 ]	1.500±.011 [ 38.10 ]
17	8125/17	1.668±.015 [ 42.37 ]	1.600±.011 [ 40.64 ]
20	8125/20	1.968±.015 [ 49.99 ]	1.900±.011 [ 48.26 ]

INSULATOR:  
MATERIAL: POLYVINYL CHLORIDE (PVC)  
COLOR: DARK GRAY WIRES  
MARKING STANDARD: NONE  
CANADIAN OPTION: SEE BELOW FOR MARKING  
CONDUCTORS: 24 AWG 7 X 32 (7 X 0.203) TINNED STRANDED COPPER

VOLTAGE RATING	USA: 300V, CANADA: 150V, EU: <50V
INSULATION RESISTANCE	$>1 \times 10^{10} \Omega/10 \text{ FT}$ [ 3 m ]
	UNBALANCED
CHARACTERISTIC IMPEDANCE	136 $\Omega$
CAPACITANCE	9.6 pF/ft [ 31.5 pF/m ]
INDUCTANCE	0.18 $\mu\text{H}/\text{ft}$ [ 0.59 $\mu\text{H}/\text{m}$ ]
PROPAGATION DELAY	1.30 ns/ft [ 4.27 ns/m ]
VELOCITY OF PROPAGATION	78%

NOTE: UNBALANCED IS MEASURED BETWEEN GROUND-SIGNAL-GROUND CONDUCTORS.

TEMPERATURE RATING: -20° C TO +105° C      CANADA: -20° C TO +80° C  
FLAMMABILITY RATING: USA; VW1      CANADA; FT1

X8125/XX    XX

BLANK = STANDARD \_\_\_\_\_  
C = CANADIAN CERTIFIED  
VERSION

- BLANK = STANDARD  
SF = SPLICE FREE

NUMBER OF CONDUCTORS  
(SEE TABLE 1)

NOTE:  
AVAILABLE IN STANDARD 100FT ROLLS. CONTACT 3M  
FOR AVAILABILITY OF ADDITIONAL CONDUCTOR COUNTS  
AND/OR CUSTOM ROLL LENGTHS.

"PRINTING ILLUSTRATION"

**RV**<sup>®</sup> AWM 20462 105°C 300V VW1 3M NU **RV**<sup>®</sup> AWM 1A 80°C 150V FT1 EU <50V



UL FILE No: E42769,  
STYLE No: 20462  
(CANADA OPTIONAL)

DIMENSIONS: INCHES [ MM ] [ ] IS FOR REF. ONLY										E   124801   JUL 22, 2025   JNC   JG	
DESIGN REFERENCE      NEXT ASSEMBLY										D   80550   AUG 29, 2018   LDS   BM	
ACCESS CODES										ADD 4 COUNT	
DRFT      ECO      ISSUE DATE AND DESCRIPTION      DRFT      CHKD										DATE      MFG      DATE	
DRFT CASTIGLIONE										DATE JUL 22, 2025	
CHKD										DATE	
DIVISION										APPL. J. GOERTZ	
DIVISION CODE										DATE JUL 22, 2025	
DEPT										© 3M COPYRIGHT 2025	
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INCHES										TITLE	
THIRD ANGLE PROJECTION										RD CONDUCTOR FLAT CABLE, 100" SPACING, 24AWG STRANDED, PVC	
INTERPRET PER ASME Y14.5 - 2018										CAGE NUMBER	
MAX SURFACE ROUGHNESS										DRAWING NO.	
ALL SURFACES										D 78-5100-0259-1	
MARKED ONLY										REV. E	
ANGLES										MODEL	
8125										DET. LISTS YES X NO	
SHT 1 OF 2										SHT 1 OF 2	

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.100", 24 AWG STRANDED, PVC

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DESIGN REFERENCE		NEXT ASSEMBLY		E 12481		JUL 22, 2025		JNC		JG	
ACCESS CODES				D 80550		ADD MISSING COUNTS		LDS		BM	
DIVISION		DIVISION CODE DEPP		REV ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		DRFT CASTIGLIONE		DATE JUL 22, 2025		MFG		DATE	
SCALE		INCHES		CWD		DATE		APPL J. GOERTZ		DATE JUL 22, 2025	
THIRD ANGLE PROJECTION		MILLIMETERS		 3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2025 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.		TITLE			
INTERPRET PER ASME Y14.5 - 2018		MAX. SURFACE ROUGHNESS		RD CONDUCTOR FLAT		CABLE, 100 <sup>00</sup> SPACING,		24AWG STRANDED, PVC			
ALL SURFACES		CAGE NUMBER		S 5100-0259-1		DRAWING NO.		REV.			
MARKED ONLY		MODEL		8125		DET. LISTS		YES <input checked="" type="checkbox"/> NO		SHT 2 OF 2	

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