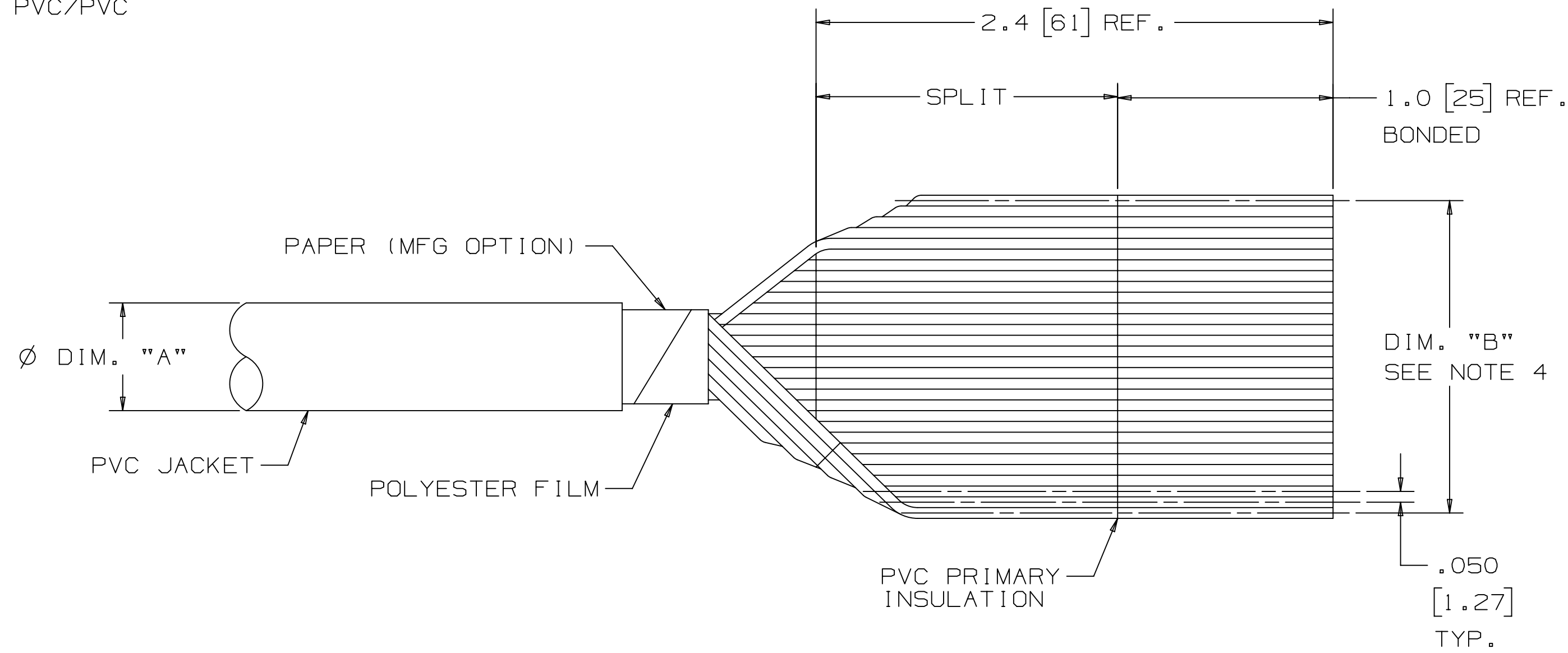


.050" 28 AWG STRANDED, MASS TERMINATED, PVC/PVC



- 

3759/XX XX XX

- BLANK = STANDARD
SF = SPLICE FREE

BLANK = CONTINUOUS SPLIT/BONDED _____
WIRE (STANDARD)
SO = CONTINUOUSLY BONDED WIRE (NO SPLIT)

NOTE:
AVAILABLE IN COMMON LENGTHS OF 100 FT/ROLL OR 300 FT/ROLL
(30 M/ROLL OR 91 M/ROLL), PLEASE SPECIFY WHEN ORDERING.

NUMBER OF CONDUCTORS	3M PART NUMBER	DIM. "A" $\pm .03$	DIM. "B" SEE NOTE 4
9	3759/09	0.26 [6.6]	0.40 [10.2]
10	3759/10	0.26 [6.6]	0.45 [11.4]
14	3759/14	0.27 [6.9]	0.65 [16.5]
15	3759/15	0.27 [6.9]	0.70 [17.8]
16	3759/16	0.27 [6.9]	0.75 [19.1]
20	3759/20	0.30 [7.6]	0.95 [24.1]
24	3759/24	0.33 [8.4]	1.15 [29.2]
25	3759/25	0.33 [8.4]	1.20 [30.5]
26	3759/26	0.33 [8.4]	1.25 [31.8]
30	3759/30	0.37 [9.4]	1.45 [36.8]
34	3759/34	0.37 [9.4]	1.65 [41.9]
36	3759/36	0.39 [9.9]	1.75 [44.5]
37	3759/37	0.39 [9.9]	1.80 [45.7]
40	3759/40	0.39 [9.9]	1.95 [49.5]
50	3759/50	0.44 [11.2]	2.45 [62.2]
60	3759/60	0.47 [11.9]	2.95 [74.9]
64	3759/64	0.50 [12.7]	3.15 [80.0]

JACKET MATERIAL: POLYVINYL CHLORIDE (PVC)
COLOR: BLACK
PRIMARY MATERIAL: POLYVINYL CHLORIDE (PVC)
COLOR: GRAY

MARKING: SEE "PRINTING ILLUSTRATION" BELOW
STANDARD: 28 AWG, 7 X 36 AWG [7 X Ø0.127] TIN
CONDUCTORS: STRANDED COPPER CONDUCTORS
INNER WRAP: POLYESTER FILM

VOLTAGE RATING: USA: N.E.C. 725, CL2 OR AWM; 300V CANADIAN 300V, EU: <50V
INSULATION RESISTANCE: (PRIMARY CABLE) $>1 \times 10^{10} \Omega/10ft.$ [3m]

	UNBALANCED	BALANCED
CHARACTERISTIC IMPEDANCE:	90Ω	133Ω
CAPACITANCE:	16.7 pF/ft [54.8 pF/m]	11.9 pF/ft [39.0 pF/m]
INDUCTANCE:	0.13μH/ft [0.44μH/m]	0.21μH/ft [0.69μH/m]
PROPAGATION DELAY:	1.50 ns/ft [4.92 ns/m]	1.58 ns/ft [5.18 ns/m]
VELOCITY OF PROPAGATION:	68%	64%

NOTE: UNBALANCED IS MEASURED BETWEEN GROUND-SIGNAL-GROUND CONDUCTORS.
BALANCED IS MEASURED BETWEEN SIGNAL CONDUCTORS WITHIN A PAIR.

TEMPERATURE RATING: USA: CL2: 75° C OR AWM -20° TO +80° C
CANADA: 80° C

FLAMMABILITY RATING: USA: N.E.C. 725, CL2
CANADA: FT1

UL® CL2 75°C 28 AWG OR AWM 20267 3M NU **UL® AWM II A/B 80°C 300V FT1 EU <50V**



UL FILE NO: E118773,
POWER LIMITED CIRCUIT
CABLE: CL2 (OR AWM STYLE 20267)

NOTES

NOTES

1. REGULATORY INFORMATION:
VISIT 3M.com/regs OR CONTACT
YOUR 3M REPRESENTATIVE TO FIND
THE RoHS COMPLIANCE STATUS OF
THE 3M PART YOU ARE INTERESTED
IN.
2. IN THE EVENT OF CONFLICT
BETWEEN THIS DATA AND THAT
CONTAINED IN THE PRODUCT
SPECIFICATION, THE PRODUCT
SPECIFICATION TAKES PRECEDENT.
3. RED MARKING ON ONE EDGE OF
PRIMARY CABLE DESIGNATES
WIRE #1.
4. DIMENSION "B" PERTAINS TO
BONDED AREA ONLY.

DIMENSIONS: INCHES [MM] [MM] IS FOR REF. ONLY						MAR 18, 2025		JNC	FJR
						REVISED AND REDRAWN			
F 78598						APR 16, 2018		SBC	FJR
						ERROR CORRECTION			
DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES				DRFT	CSTIGLIONE	DATE	MAR 18, 2025	MFG	CAGE
				CHKD		DATE		APPRV.	F. RODRIGUEZ
								DATE	MAR 18, 2025
DIVISION		DIVISION CODE		DEFP		© 3M COPYRIGHT 2025			
DO NOT SCALE 		SCALE 		TOLERANCES EXCEPT AS NOTED		This document and the information it contains are 3M proprietary 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		INCHES .00 ± .01 .00 ± .05 .000 ± .010 .0000 ± .0005		TITLE ROUND JACKETED, FLAT CABLE, .050" PITCH, 28AWG,			
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ± .00 ± .000 ± .000 ±		CAGE NUMBER		SIZE DRAWING NO.		REV.	
MAX. SURFACE ROUGHNESS ALL SURFACES ☒ MARKED ONLY		ANGLES ±		MODEL		D78-5100-0070-2		G	
				3759		DET. LISTS ☐ YES ☒ NO		SHT 1 OF 2	

.050" 28 AWG STRANDED, MASS TERMINATED, PVC/PVC

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement or repair of the 3M product or refund of the purchase price.

Disclaimer: For industrial use only. Not intended, labeled or packaged for consumer sale or use.

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

3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

G 191917		MAR 18, 2025		JNC	FJR
F 78598		REVISED AND REDRAWN		SBC	FJR
		APR 16, 2018			
		ERROR CORRECTION			
DESIGN REFERENCE		NEXT ASSEMBLY			
ACCESS CODES		REV ECO		ISSUE DATE AND DESCRIPTION	CHKD
DEF CASTIGLIONE		DATE MAR 18, 2025		MFO	DATE
CHKD		DATE		APPR. F. RODRIGUEZ	DATE MAR 18, 2025
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2025	
DEFP		DEFP		3M Center St. Paul, MN 55144 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		TOLERANCES EXCEPT AS NOTED		TITLE	
		INCHES .00 ± .01 .00 ± .05 .000 ± .010 .0000 ± .0005		ROUND JACKETED, FLAT CABLE, .050" PITCH, 28AWG,	
THIRD ANGLE PROJECTION		MILLIMETERS		CAGE NUMBER	
INTERPRET PER ASME Y14.5 - 2018		0 ± .01 .00 ± .05 .000 ± .010		SIZE	
MAX. SURFACE ROUGHNESS ALL SURFACES MARKED ONLY		0 ± .01 .00 ± .05 .000 ± .010		DRAWING NO.	
✓		ANGLES ±		D 78-5100-0070-2	
		MODEL 3759		REV. G	
				DET. LISTS YES ☒ NO ☐	
				SHT 2 OF 2	