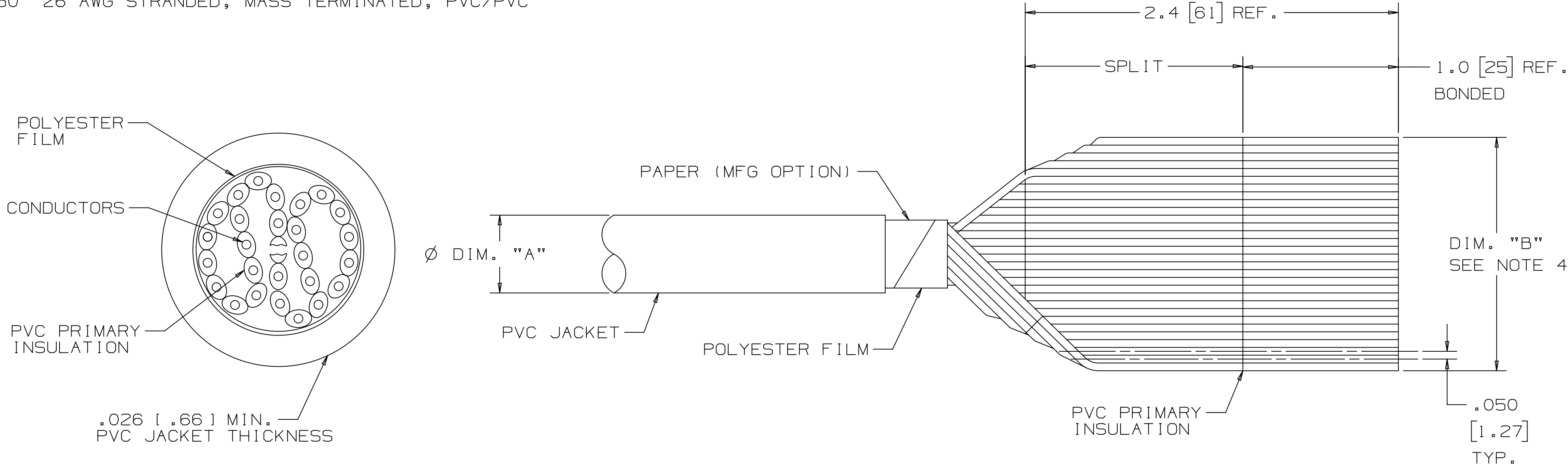


3M™ ROUND JACKETED, FLAT CABLE, 3758 SERIES
.050" 26 AWG STRANDED, MASS TERMINATED, PVC/PVC



- * ROUND CONSTRUCTION PERMITS MORE EASY ROUTING.
- * 26 AWG WIRE ON .050 INCH CENTERS PERMITS MASS TERMINATION TO BROAD LINE OF IDC CONNECTORS.
- * CONTINUOUS BOND AND SPLIT/BOND REPEAT ALLOWS FOR MASS TERMINATION ON IDC CENTERS.
- * MEETS EXTERNAL WIRING REQUIREMENTS OF NATIONAL ELECTRICAL CODE, ARTICAL 725 (CL2).
- * PRIMARY CABLE IS ZIPPABLE FOR BRANCHING OR DISCRETE TERMINATION.



- 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.

ORDERING INFORMATION

3758/XX XX XX

NUMBER OF CONDUCTORS (SEE TABLE 1)

BLANK = STANDARD
SF = SPLICE FREE

BLANK = STANDARD, REPEATING SPLIT/BONDED WIRES
SO = CONTINUOUSLY BONDED WIRE (NO SPLIT)

NOTE:
AVAILABLE IN STANDARD 275FT ROLLS. CONTACT 3M FOR AVAILABILITY OF ADDITIONAL CONDUCTOR COUNTS AND/OR CUSTOM ROLL LENGTHS.

TABLE 1			
NUMBER OF CONDUCTORS	3M PART NUMBER	DIM. "A" ±.03	DIM. "B" SEE NOTE 4
9	3758/09	0.26 [6.6]	0.40 [10.2]
10	3758/10	0.26 [6.6]	0.45 [11.4]
14	3758/14	0.27 [6.9]	0.65 [16.5]
15	3758/15	0.27 [6.9]	0.70 [17.8]
16	3758/16	0.27 [6.9]	0.75 [19.1]
20	3758/20	0.30 [7.6]	0.95 [24.1]
24	3758/24	0.33 [8.4]	1.15 [29.2]
25	3758/25	0.33 [8.4]	1.20 [30.5]
26	3758/26	0.33 [8.4]	1.25 [31.8]
30	3758/30	0.37 [9.4]	1.45 [36.8]
34	3758/34	0.37 [9.4]	1.65 [41.9]
36	3758/36	0.39 [9.9]	1.75 [44.5]
37	3758/37	0.39 [9.9]	1.80 [45.7]
40	3758/40	0.39 [9.9]	1.95 [49.5]
50	3758/50	0.44 [11.2]	2.45 [62.2]
60	3758/60	0.47 [11.9]	2.95 [74.9]
64	3758/64	0.50 [12.7]	3.15 [80.0]

2 PHYSICAL :

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

MARKING:
STANDARD: SEE "PRINTING ILLUSTRATION" BELOW
CONDUCTORS: 26 AWG, 7 X 34 AWG [7 X Ø0.160]
INNER WRAP: POLYESTER FILM

2 ELECTRICAL :

VOLTAGE RATING: USA: N.E.C. 725, CL2 OR AWM: 300V CANADIAN 300V, EU: <50V
INSULATION RESISTANCE: (PRIMARY CABLE) >1 X 10⁹Ω/10ft. [3m]

CHARACTERISTIC IMPEDANCE:	UNBALANCED	BALANCED
	90Ω	133Ω
CAPACITANCE:	16.7 pF/ft [54.8 pF/m]	11.9 pF/ft [39.00 pF/m]
INDUCTANCE:	0.14μH/ft [0.46μH/m]	0.21μH/ft [0.69μH/m]
PROPAGATION DELAY:	1.50 ns/ft [4.92 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.

2 ENVIRONMENTAL :

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

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

"PRINTING ILLUSTRATION"

UL® CL2 75°C 26 AWG OR AWM 20267 3M NU UL® AWM II A/B 80°C 300V FT1 EU <50V

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

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INFORMATION CALL 800-225-5373

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

DIMENSIONS: INCHES [MM]
[MM] IS FOR REF. ONLY

DESIGN REFERENCE	NEXT ASSEMBLY
ADDRESS CODES	DIVISION CODE
DIVISION	EMSD
DO NOT SCALE DRAWING	TOLERANCES EXCEPT AS NOTED
THIRD ANGLE PROJECTION	INCHES
INTERPRET PER ASME Y14.5 - 2018	MILLIMETERS
MAX. SURFACE ROUGHNESS	ANGLES
ALL SURFACES MARKED ONLY	

C	116060	MAY 06,2024	JNC	FJR
B	23309	REVISED AND REDRAWN	RE	RE
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	CSTIGLIONE	DATE MAY 06,2024	DATE	DATE
CHKD	DATE	APPROV. F. RODRIGUEZ	DATE MAY 06,2024	
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TITLE				
ROUND JACKETED, FLAT CABLE, .050" PITCH, 26AWG,				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
D	78-5100-2200-3	C		
MODEL	3758	DET	LISTS	YES NO SHT 1 OF 2

8

7

6

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4

3

2

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3M™ ROUND JACKETED, FLAT CABLE, 3758 SERIES

.050" 26 AWG STRANDED, MASS TERMINATED, PVC/PVC

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

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Austin, TX 78753-5380
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DESIGN REFERENCE
NEXT ASSEMBLY

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION

MAX. SURFACE ROUGHNESS
ALL SURFACES
MARKED ONLY

SCALE

TOLERANCES EXCEPT AS NOTED

INCHES
±.1
±.05
±.010
±.0005

MILLIMETERS
±
±
±
±

INTERPRET PER ASME Y14.5 - 2018

ANGLES ±

REV. ECO
DATE MAY 06, 2024
ISSUE DATE AND DESCRIPTION
MFG
DATE MAY 06, 2024
APPR. F. RODRIGUEZ
DATE MAY 06, 2024

3M
3M Center
St. Paul,
MN 55144

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TITLE
ROUND JACKETED, FLAT CABLE, .050" PITCH, 26AWG,

CAGE NUMBER
SIZE
DRAWING NO.
REV.
D78-5100-2200-3 C

MODEL
3758
DET
LISTS
YES
NO
SHT 2 OF 2