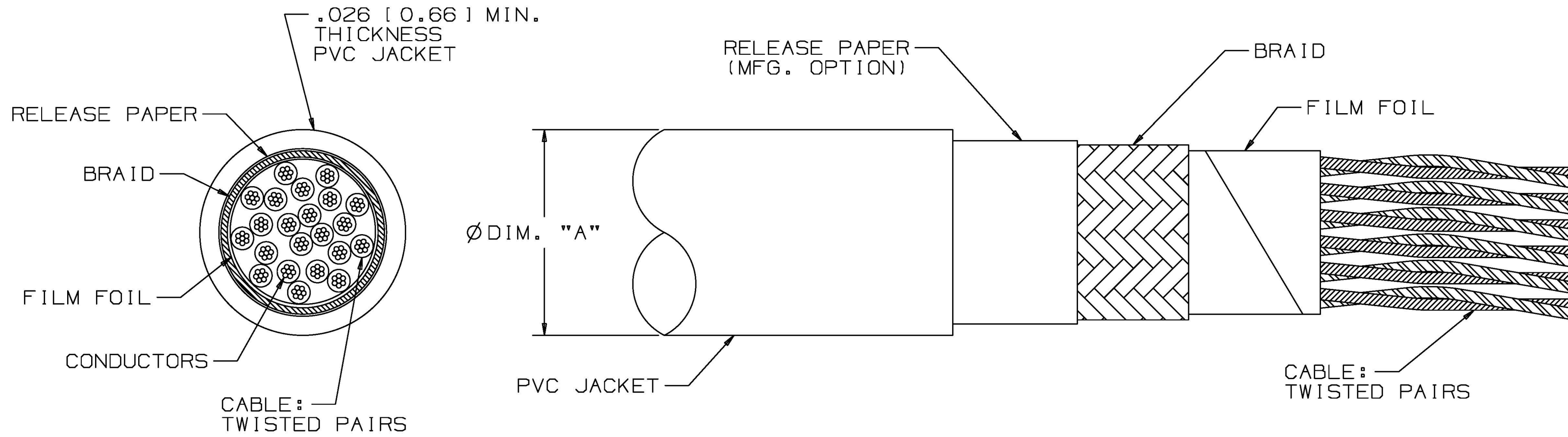


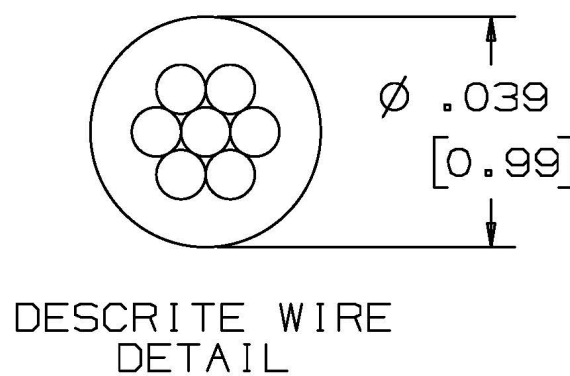
3M™ ROUND, SHIELDED/JACKETED, DISCRETE WIRE CABLE, 3750 SERIES
26 AWG STRANDED, TWISTED PAIR, PVC/PVC



ORDERING INFORMATION
3750/XX XX

NUMBER OF CONDUCTORS (SEE TABLE 1)
BLANK = STANDARD
SF = SPLICE FREE

NOTE:
AVAILABLE IN STANDARD 100ft OR 1000ft ROLLS.
PLEASE SPECIFY WHEN ORDERING.
CONTACT 3M FOR AVAILABILITY OF ADDITIONAL CONDUCTOR
COUNTS AND/OR CUSTOM ROLL LENGTHS.



- * MEETS EXTERNAL WIRING REQUIREMENTS OF NATIONAL ELECTRICAL CODE: ARTICAL 725 (CL2).
- * 26 AWG WIRE CARRIES HIGHER POWER LEVELS IN I/O HARNESS.
- * TWISTED PAIRS REDUCE CROSSTALK FOR BALANCE DRIVE APPLICATIONS.
- * DUAL SHIELDING PROVIDES 35db AVERAGE SHIELDING.
- * WIRES ARE COLOR CODED FOR EASY IDENTIFICATION.

1. REGULATORY INFORMATION:
VISIT 3M.com/regs
2. IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.



PHYSICAL :

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

MARKING:
STANDARD: SEE "PRINTING ILLUSTRATION" BELOW
CONDUCTORS: 26 AWG, 7 X 34 AWG [7 X Ø0.160] TINNED STRANDED COPPER
SHIELDING: 0.001 [0.03] THICK ALUMINUM/POLYESTER FILM FOIL AND 90% COVERAGE TINNED COPPER BRAID

ELECTRICAL :

VOLTAGE RATING: USA: N.E.C. 725, CL2 AWM 300V CANADIAN 150V, EU: <50V
INSULATION RESISTANCE: (PRIMARY CABLE) >1 X 10¹⁰Ω/10ft. [3m]

	UNBALANCED	BALANCED
CHARACTERISTIC IMPEDANCE:	51Ω	100Ω
CAPACITANCE:	35.6 pF/ft [116.8 pF/m]	18.1 pF/ft [59.4 pF/m]
INDUCTANCE:	0.09μH/ft [0.30μH/m]	0.18μH/ft [0.59μH/m]
PROPAGATION DELAY:	1.82 ns/ft [5.97 ns/m]	1.81 ns/ft [5.94 ns/m]
VELOCITY OF PROPAGATION:	56%	56%

NOTE: UNBALANCED IS MEASURED BETWEEN CONDUCTORS WITHIN A PAIR WITH ONE CONDUCTOR CONNECTED TO THE SHIELD.
BALANCED IS MEASURED BETWEEN CONDUCTORS WITHIN A PAIR WITH THE SHIELD FLOATING.

ENVIRONMENTAL :

TEMPERATURE RATING: USA: CL2: 75°C
CANADA: 80°C

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

"PRINTING ILLUSTRATION"

CL2 75°C 26 AWG OR AWM 2464 3M NU AWM II A/B 80°C 150V FT1 EU <50V

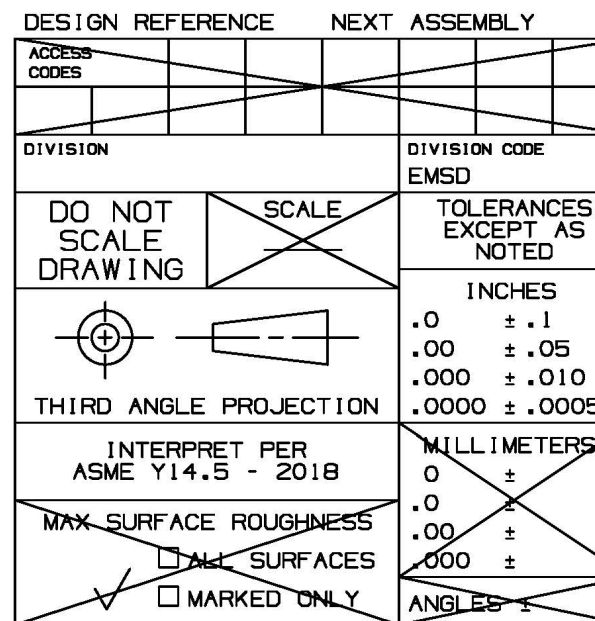
TABLE 2
PAIR IDENTIFICATION

PAIR	COND	1st CONDUCTOR		COND	2nd CONDUCTOR		PAIR	COND	1st CONDUCTOR		COND	2nd CONDUCTOR	
		SOLID	BAND		SOLID	BAND			SOLID	BAND		SOLID	BAND
1	1	BLACK	RED	2	RED	BLACK	17	33	GREEN	BROWN	34	BROWN	GREEN
2	3	BLACK	WHITE	4	WHITE	BLACK	18	35	GREEN	ORANGE	36	ORANGE	GREEN
3	5	BLACK	GREEN	6	GREEN	BLACK	19	37	WHITE	BLUE	38	BLUE	WHITE
4	7	BLACK	BLUE	8	BLUE	BLACK	20	39	WHITE	YELLOW	40	YELLOW	WHITE
5	9	BLACK	YELLOW	10	YELLOW	BLACK	21	41	WHITE	BROWN	42	BROWN	WHITE
6	11	BLACK	BROWN	12	BROWN	BLACK	22	43	WHITE	ORANGE	44	ORANGE	WHITE
7	13	BLACK	ORANGE	14	ORANGE	BLACK	23	45	BLUE	YELLOW	46	YELLOW	BLUE
8	15	RED	WHITE	16	WHITE	RED	24	47	BLUE	BROWN	48	BROWN	BLUE
9	17	RED	GREEN	18	GREEN	RED	25	49	BLUE	ORANGE	50	ORANGE	BLUE
10	19	RED	BLUE	20	BLUE	RED	26	51	BROWN	YELLOW	52	YELLOW	BROWN
11	21	RED	YELLOW	22	YELLOW	RED	27	53	ORANGE	YELLOW	54	YELLOW	ORANGE
12	23	RED	BROWN	24	BROWN	RED	28	55	BROWN	ORANGE	56	ORANGE	BROWN
13	25	RED	ORANGE	26	ORANGE	RED	29	57	VIOLET	RED	58	RED	VIOLET
14	27	GREEN	WHITE	28	WHITE	GREEN	30	59	VIOLET	WHITE	60	WHITE	VIOLET
15	29	GREEN	BLUE	30	BLUE	GREEN	31	61	VIOLET	GREEN	62	ORANGE	VIOLET
16	31	GREEN	YELLOW	32	YELLOW	GREEN	32	63	VIOLET	BLUE	64	BLUE	VIOLET

TABLE 1

NUMBER OF CONDUCTORS	3M PART NUMBER	DIM. "A"
10 (5) PAIR	3750/10	.26 [6.6]
16 (8) PAIR	3750/16	.31 [7.9]
26 (13) PAIR	3750/26	.37 [9.4]
38 (19) PAIR	3750/38	.43 [10.9]
50 (25) PAIR	3750/50	.49 [12.4]
60 (30) PAIR	3750/60	.52 [13.2]

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



C	115525	MAY 08,2024	JNC	FJR
B	23307	APR 25,2009	RDE	RDE
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	CASTIGLIONE	DATE MAY 08,2024	DATE	DATE
CHKD	F. RODRIGUEZ	DATE MAY 08,2024	DATE	DATE
3M Center St. Paul, MN 55144				
© 3M COPYRIGHT 2024. 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 SHIELDED/JACKETED, ROUND, DISC. WIRE CABLE, 26AWG				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
D	78-5100-0072-8	C		
MODEL	3750	DEF	LISTS	YES NO SHT 1 OF 2

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

UL FILE NO: E118773,
POWER LIMITED CIRCUIT
CABLE: CL2

3M™ ROUND, SHIELDED/JACKETED, DISCRETE WIRE CABLE, 3750 SERIES

26 AWG STRANDED, TWISTED PAIR, PVC/PVC

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

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.

Product Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

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.

Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by applicable law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

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

3M Company
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>

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

C		115525		MAY 08, 2024		JNC	FJR
B		23307		APR 25, 2009		RDE	RDF
				REVISE TABLES & NOTES			
DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO	
ACCESS CODES		DRFT CAS TIGLIONE CHW		ISSUE DATE AND DESCRIPTION MAY 08, 2024 DATE		MFG APPL. F. RODRIGUEZ DATE MAY 08, 2024	
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2024 3M property and the information it contains are 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 INCHES ±.0 ±.1 ±.05 ±.000 ±.010 ±.0000 ±.0005		3M 3M Center St. Mail 55144 MN 55144 TITLE SHIELDED/JACKETED ROUND, DISC. WIRE CABLE, 26AWG			
THIRD ANGLE PROJECTION		MILLIMETERS		CAGE NUMBER D		SIZE DRAWING NO.	
INTERPRET PER ASME Y14.5 - 2018 MAX. SURFACE ROUGHNESS ALL SURFACES MARKED ONLY		±.0 ±.00 ±.000 ANGLES ±		MODEL 3750		REV. C	
				DET. ITS YES NO		SHT 2 OF 2	

78-5100-0072-8 DRAWING NUMBER	C REVISION
----------------------------------	---------------

A