

3M™ Round, Jacketed, Flat Cable

.050" 28 AWG Stranded, Mass-Term, PVC/PVC

3759 Series



- Round construction permits easier routing
- 28 AWG wire on .050 inch centers permits mass termination to broad line of IDC connectors
- Continuous bond and continuous split/bond allows for mass termination of IDC connectors
- Available in continuous bond (non-split) wire for ease of cable fabrication
- Meets external wiring requirements of National Electrical Code, Article 725 (CL2)
- Primary cable is zippable for branching or discrete terminations
- UL recognized for USA and Canadian markets
- Visit 3M.com/regs or contact your 3M representative to find the RoHS compliance status of the 3M part you are interested in.

Date Modified: April 10, 2018

TS-0070-F
Sheet 1 of 2

Physical

Jacket Material: Polyvinyl Chloride (PVC); **Color:** Black
Primary Material: PVC; **Color:** Gray
Marking Standard: (UL) CL2 75C 28 AWG OR AWM 20267
3M NU C 75 AWM IIA/B 80C 300V FT1 EU <50V
Conductors: 28 AWG, 7 × 36 AWG [7 × Ø 0.127] Tinned Stranded Copper
Inner Wrap: Polyester Film

Electrical

Voltage Rating:	USA: N.E.C. 725, CL2 or AWM; 300V	Canada: 300V	EU: <50V
Insulation Resistance:	(Primary Cable) >1 x 10 ¹⁰ Ω /10 ft [3 m]		
Characteristic Impedance:	Unbalanced 90 Ω	Balanced 133 Ω	
Capacitance:	16.7 pF/ft [54.8 pF/m]	11.9 pF/ft [39.0 pF/m]	
Inductance:	0.13 μH/ft [0.44 μH/m]	0.21 μH/ft [0.69 μH/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 conductors within a pair.

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

UL File No.: E118773, Power Limited Circuit Cable: CL2 (or AWM Style 20267)



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

3M™ Round, Jacketed, Flat Cable

.050" 28 AWG Stranded, Mass-Term, PVC/PVC

3759 Series



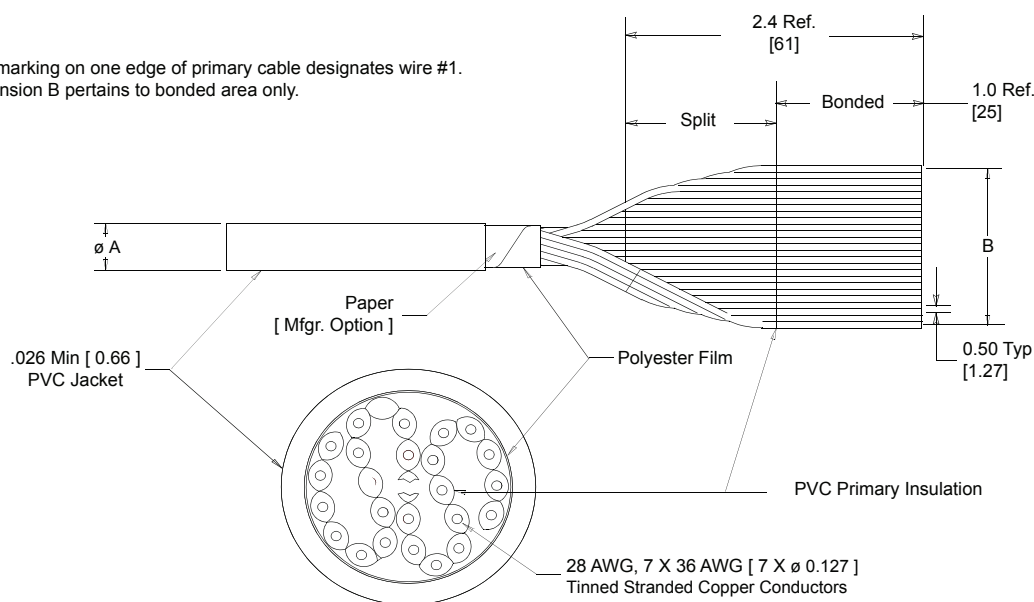
Tolerance Unless Noted			
Inch	.0	.00	.000
	±.1	±.05	±.010

[] Dimensions for Reference Only

Number of Conductors	3M Part Number	Diameter A ± .03	Dimension B (See Note 2)
09	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]

Notes:

1. Red marking on one edge of primary cable designates wire #1.
2. Dimension B pertains to bonded area only.



Ordering Information

3759/XX XX XX

Number of Conductors
(See Table)

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.

TS-0070-F
Sheet 2 of 2



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

Regulatory: For regulatory information about this product, contact your 3M representative.

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use: Many factors beyond 3M's control and uniquely within user's control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer: Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 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 OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OR TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.



3M Electronics Materials Solutions Division
6801 River Place Blvd.
Austin, TX 78726-9000
U.S.A.
1-800-225-5373
www.3M.com/interconnect

3M is a trademark of 3M Company.
Please recycle. Printed in USA.
© 3M 2018. All rights reserved.
RIA-2217B-E

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9