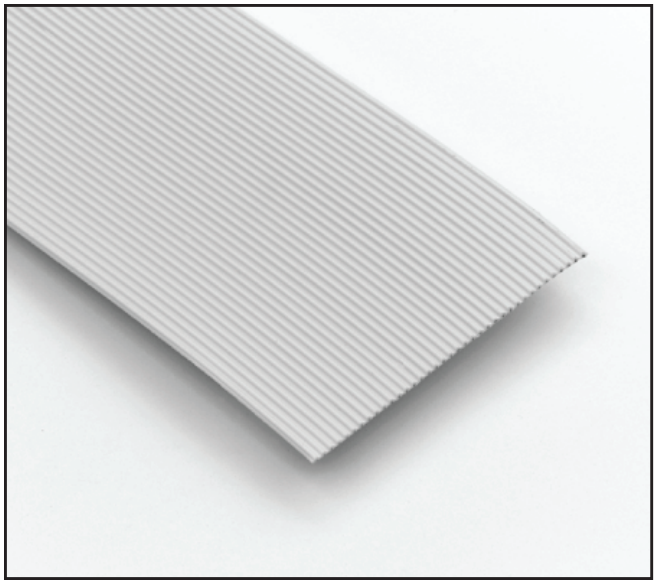
3M™ Round Conductor Flat Cable

.050" 28 AWG Stranded, Halogen Free PO

HF365 Series



- Low Smoke Zero Halogen (LSZH) Insulation. Advantages of LSZH insulation are the low smoke (IEC 61034-2:2005), and low toxicity of combustion gases (NF X 70-100-2:2006), reducing the risk to firefighters, and reducing the soot and corrosion damage to nearby equipment
- Broad operating temperature range from -40°C to 105°C
- 28 AWG wire on .050 inch centers permits mass termination to broad line of IDC connectors
- Zippable for branching or discrete terminations
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnector.com for compliance information (RIA E1 & C1 apply)

Date Modified: December 3, 2010

TS-2334-B
Sheet 1 of 2

Physical

Jacket Material: Halogen Free Polyolefin (PO)

Color: Dark Gray

Marking:

Standard: None

Conductors: 28 AWG, 7 × 36 AWG [7 × Ø 0.127] Tinned Stranded Copper

Electrical

Voltage Rating: USA: 300V Canada: 150V EU: <50V

Insulation Resistance: > 1 × 10^{10} Ω/10 ft. [3 m]

	Unbalanced	Balanced
Characteristic Impedance:	100 Ω	168 Ω
Capacitance:	15.0 pF/ft [49.2 pF/m]	8.4 pF/ft [27.7 pF/m]
Inductance:	0.15 µH/ft [0.49 µH/m]	0.24 µH/ft [0.79 µH/m]
Propagation Delay:	1.51 ns/ft [4.95 ns/m]	1.42 ns/ft [4.66 ns/m]
Velocity of Propagation:	68%	72%

Note: Unbalanced is measured between ground-signal-ground conductors.Balanced is measured between conductors within a pair.

Environmental

Temperature Rating: -40°C to +105°C

Flammability Rating: UL: Horizontal

UL File No.: E42769, Style No.: 21682

Halogen Free is defined as both 1) no halogen compounds that are intentionally added to the product or used in the manufacturing process for the product and 2) any impurities present are less than 900 ppm bromine, less than 900 ppm chlorine and/or less than 1500ppm total bromine and chlorine. The latter are the levels set forth in certain industry standards for printed circuit boards, such as the International Electrotechnical Commission (IEC) 61249-2-21 standard. This information represents 3M/s knowledge and belief which may be based in whole or in part on information provided by 3rd party suppliers to 3M.

3M is a trademark of 3M Company.

3M™ Round Conductor Flat Cable

.050" 28 AWG Stranded, Halogen Free PO

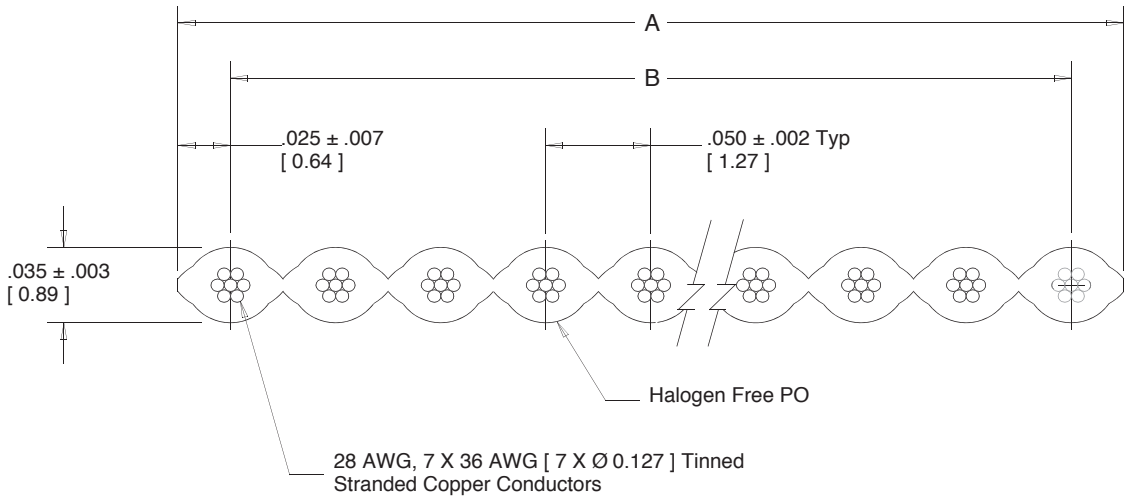
HF365 Series

Inch
[mm]

Tolerance Unless Noted			
	.0	.00	.000
Inch	±.1	±.01	±.005

[ ] Dimensions for Reference Only

Number of Conductors	3M Part Number	Dimension A	Dimension B
06	HF365/06	.300 +/- .010 [7.62]	.250 +/- .007 [6.35]
08	HF365/08	.400 +/- .010 [10.16]	.350 +/- .007 [8.89]
09	HF365/09	.450 ± .010 [11.43]	.400 ± .007 [10.16]
10	HF365/10	.500 ± .010 [12.70]	.450 ± .007 [11.43]
11	HF365/11	.550 +/- .010 [13.97]	.500 +/- .007 [12.7]
12	HF365/12	.600 +/- .010 [15.24]	.550 +/- .007 [13.97]
14	HF365/14	.700 ± .010 [17.78]	.650 ± .007 [16.51]
15	HF365/15	.750 ± .010 [19.05]	.700 ± .007 [17.78]
16	HF365/16	.800 ± .015 [20.32]	.750 ± .011 [19.05]
18	HF365/18	.900 ± .015 [22.88]	.850 ± .011 [21.59]
20	HF365/20	1.000 ± .015 [25.40]	0.950 ± .011 [24.13]
24	HF365/24	1.200 ± .015 [30.48]	1.150 ± .011 [29.21]
25	HF365/25	1.250 ± .015 [31.75]	1.200 ± .011 [30.48]
26	HF365/26	1.300 ± .015 [33.02]	1.250 ± .011 [31.75]
30	HF365/30	1.500 ± .020 [38.10]	1.450 ± .015 [36.83]
34	HF365/34	1.700 ± .020 [43.18]	1.650 ± .015 [41.91]
36	HF365/36	1.800 ± .020 [45.72]	1.750 ± .015 [44.45]
37	HF365/37	1.850 ± .020 [46.99]	1.800 ± .015 [45.72]
40	HF365/40	2.000 ± .020 [50.80]	1.950 ± .015 [49.53]
44	HF365/44	2.20 +/- .020 [55.88]	2.15 +/- .015 [54.61]
50	HF365/50	2.500 ± .020 [63.50]	2.450 ± .015 [62.23]
60	HF365/60	3.000 ± .020 [76.20]	2.950 ± .015 [74.93]
64	HF365/64	3.200 ± .020 [81.28]	3.150 ± .015 [80.01]



Notes:

1. Blue marking on one edge of cable designates wire #1.

Ordering Information

HF365/XX XX

Number of Conductors
(See Table)

Blank = Standard
SF = Splice Free

Note:

Available in standard 100 ft and 300 ft rolls, please specifiy when ordering. Contact 3M for availability of additional conductor counts and/or custom roll lengths.

TS-2334-B
Sheet 2 of 2

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of one (1) year from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**

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

Please recycle. Printed in USA.
© 3M 2010. All rights reserved.
RIA-2217B-E
3M is a trademark of 3M Company.

ООО «ЛайфЭлектроникс» “LifeElectronics” LLC

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- *Конкурентоспособные цены и скидки постоянным клиентам.*
- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
- *Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.*

- *Приемлемые сроки поставки, возможна ускоренная поставка.*
- *Доставку товара в любую точку России и стран СНГ.*
- *Комплексную поставку.*
- *Работу по проектам и поставку образцов.*
- *Формирование склада под заказчика.*

- *Сертификаты соответствия на поставляемую продукцию (по желанию клиента).*
- *Тестирование поставляемой продукции.*
- *Поставку компонентов, требующих военную и космическую приемку.*
- *Входной контроль качества.*
- *Наличие сертификата ISO.*

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- *Регистрацию проекта у производителя компонентов.*
- *Техническую поддержку проекта.*
- *Защиту от снятия компонента с производства.*
- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

Тел: +7 (812) 336 43 04 (многоканальный)
Email: org@lifeelectronics.ru

www.lifeelectronics.ru