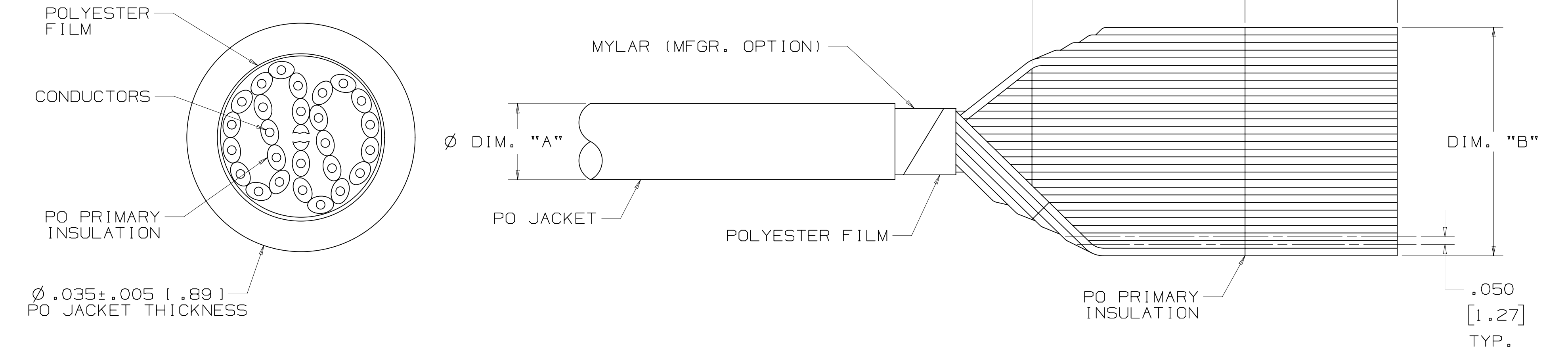


3M™ ROUND, JACKETED, FLAT CABLE, HF759 SERIES
.050" 28 AWG STRANDED, MASS TERMINATED, HALOGEN FREE PO/PO



- * 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.
- * ROUND CONSTRUCTION PERMITS MORE EASY ROUTING.
- * 28 AWG WIRE ON .050 INCH CENTERS PERMITS MASS TERMINATION TO BROAD LINE OF IDC CONNECTORS.
- * CONTINUOUS SPLIT/BOND REPEAT ALLOWS FOR MASS TERMINATIONS OF IDC CONNECTORS.
- * 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. BLUE MARKING ON ONE EDGE OF PRIMARY CABLE DESIGNATES WIRE #1.
 4. DIMENSION "B" PERTAINS TO BONDED AREA ONLY.

ORDERING INFORMATION
HF759/XX XX XX

NUMBER OF CONDUCTORS
(SEE TABLE 1)

BLANK = STANDARD
SF = SPLICE FREE

BLANK = STANDARD
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.

PHYSICAL :

JACKET MATERIAL : HALOGEN FREE POLYOLEFIN (PO)
COLOR : DARK GRAY
PRIMARY MATERIAL : HALOGEN FREE POLYOLEFIN (PO)
COLOR : DARK GRAY

MARKING :
STANDARD : NONE
CONDUCTORS : 28 AWG, 7 X 36 AWG (7 X Ø .127) TINNED STRANDED COPPER
SHIELDING : POLYESTER FILM

ELECTRICAL :

VOLTAGE RATING : USA 150V CANADIAN 150V EU: <50V
INSULATION RESISTANCE : (PRIMARY CABLE) >1 X 10¹⁰Ω/10ft. (3m)

CHARACTERISTIC IMPEDANCE :	UNBALANCED	BALANCED
	75Ω	136Ω
CAPACITANCE :	22.6 pF/ft (74.3 pF/m)	12.4 pF/ft (40.6 pF/m)
INDUCTANCE :	.13μH/ft (.43μH/m)	.23μH/ft (.75μH/m)
PROPAGATION DELAY :	1.69 ns/ft (5.54 ns/m)	1.69 ns/ft (5.54 ns/m)
VELOCITY OF PROPAGATION :	60%	60%

NOTE: UNBALANCED IS MEASURED BETWEEN GROUND-SIGNAL-GROUND CONDUCTORS.
BALANCED IS MEASURED BETWEEN CONDUCTORS WITHIN A PAIR.
"MEASURED VALUES ARE TYPICAL"

ENVIRONMENTAL :

TEMPERATURE RATING : -40°C TO +105°C (EIA-364-32G, METHOD A, TEST CONDITION 2)
-10°C TO +75°C (UL TEMPERATUE RATING)

FLAMMABILITY RATING : INTERNAL : HORIZONTAL FLAME PER UL758
EXTERNAL : CABLE FLAME (VERTICAL) PER UL758

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 900ppm BROMINE, LESS THAN 900ppm CHLORINE AND/OR LESS THAN 1500ppm TOTAL BROMINE AND CHLORINE. THE LATTER ARE THE LEVELS SET FORTH IN CERTIAN INDUSTRY STANDARDS FOR PRINTED CIRCUIT BOARDS, SUCH AS THE INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC) 61249-2-21 STANDARDS. 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 ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3Mconnectors.com>

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FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373



UL FILE NO: E42769
STYLE NO: 22170

INCH [MM]			
TOLERANCE - UNLESS NOTED			
	.X	.XX	.XXX
INCH	±.1	±.05	±.010
[] = DIM. FOR REFERENCE ONLY			

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
79568				JUL 31, 2018 REVISED & REDRAWN	JNC	BM
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED	INCHES	0.00 ± 0.002 ± 0.000 ±	0.00 ± 0.002 ± 0.000 ±	0.00 ± 0.002 ± 0.000 ±
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	0 ± 0 ± 0 ±	0 ± 0 ± 0 ±	0 ± 0 ± 0 ±	0 ± 0 ± 0 ±	0 ± 0 ± 0 ±
MAX SURFACE ROUGHNESS	0.00 ± 0.00 ± 0.00 ±	0.00 ± 0.00 ± 0.00 ±	0.00 ± 0.00 ± 0.00 ±	0.00 ± 0.00 ± 0.00 ±	0.00 ± 0.00 ± 0.00 ±	0.00 ± 0.00 ± 0.00 ±
MARKED ONLY	0.00 ± 0.00 ± 0.00 ±	0.00 ± 0.00 ± 0.00 ±	0.00 ± 0.00 ± 0.00 ±	0.00 ± 0.00 ± 0.00 ±	0.00 ± 0.00 ± 0.00 ±	0.00 ± 0.00 ± 0.00 ±
3M	3M Center St. Paul, MN 55144	© 3M COPYRIGHT 2018	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	RD, JACKETED, 28 AWG, FLAT CABLE, HF759, HALOGEN FREE	CAGE NUMBER
78-5100-2336-5	SIZE	DRAWING NO.	REV.	MODEL	HF759	LISTS
YES	NO	SHT	1 OF 2			

3M™ ROUND, JACKETED, FLAT CABLE, HF759 SERIES
.050" 28 AWG STRANDED, MASS TERMINATED, HALOGEN FREE PO/PO

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

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		E 79568		JUL 31, 2018		JNC		JMD	
				REVISED & REDRAWN					
DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCORD				CHG	DATE		DATE		
				CASTIGLIONE		JUN 14, 2018			
				CHKD	DATE		APPROV		
						B. MIZE		JUN 14, 2018	
DIVISION		DIVISION CODE		 3M Center St. Paul, MN 55144			© 3M COPYRIGHT 2018 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		SCALE TOLERANCES EXCEPT AS NOTED							
		INCHES .01 ± .000 ± .0000 ± .0000 ±		TITLE RD, JACKETED, 28 AWG, FLAT CABLE, HF759, HALOGEN FREE					
THIRD ANGLE PROJECTION		MILLIMETERS 0 ± 0.00 ± 0.00 ± 0.00 ±							
INTERPRET PER ASME Y14.5 - 2009				CAGE NUMBER		B SIZE		DRAWING NO.	
MAX SURFACE ROUGHNESS				D		578-5100-2336-5		REV. E	
☒ UNFINISHED SURFACES ☐ MARKED ONLY		ANGLE ± 0 ± 0 ± 0 ±		MODEL		HF759		DET. 1STS YES ☒ NO ☐	
								SHT 2 OF 2	

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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