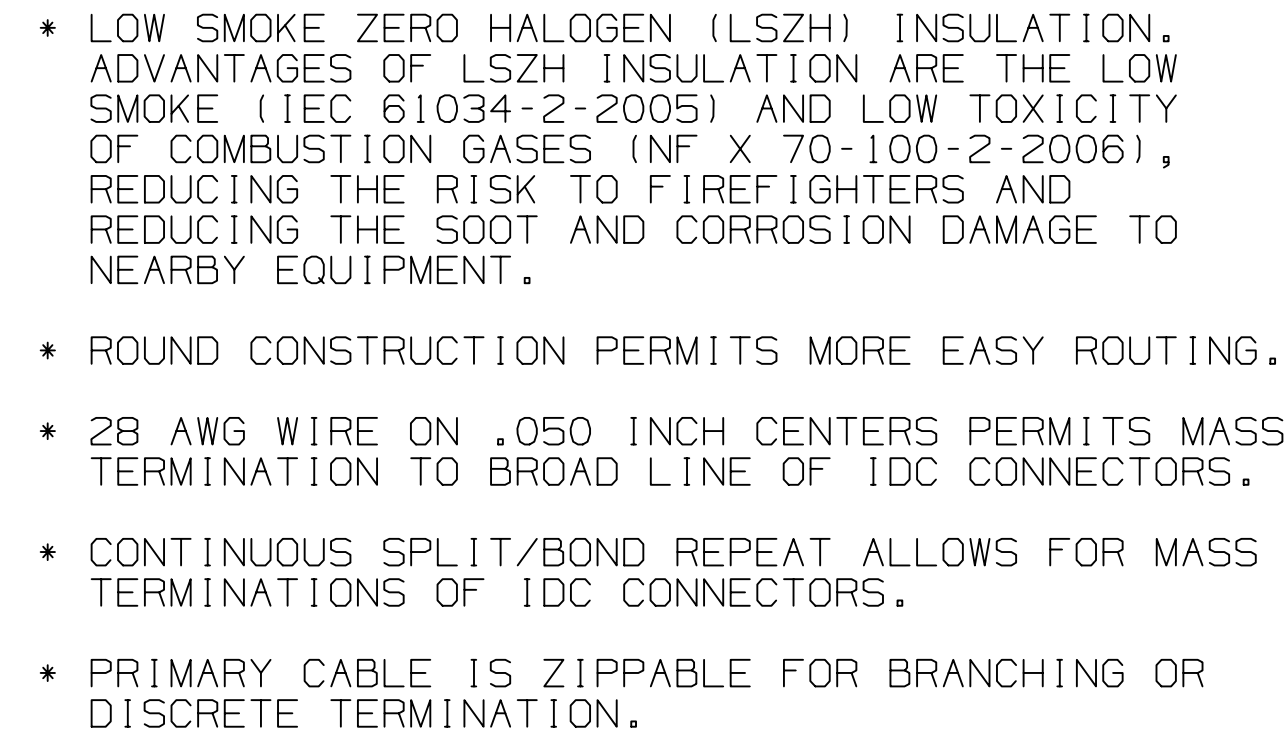


.050" 28 AWG STRANDED, MASS TERMINATED, HALOGEN FREE PO/PO



- HF759/XX XX XX

BLANK = STANDARD
SF = SPLICE FREE

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

2 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 ϕ .127] TINNED STRANDED COPPER
SHIELDING: POLYESTER FILM

2 ELECTRICAL :

VOLTAGE RATING: USA 150V CANADIAN 150V EU: <50V
INSULATION RESISTANCE: (PRIMARY CABLE) $>1 \times 10^{10} \Omega/10ft.$ [3m]

	UNBALANCED	BALANCED
CHARACTERISTIC IMPEDANCE:	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"

2 ENVIRONMENTAL :

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

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REVISED & REDRAWN									
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
DRF		CASTIGLIONE		DATE JUL 14, 2018		MFG		DATE	
CHKD				DATE		APPRV		DATE JUL 14, 2018	
DIVISION		DIVISION CODE		B. MIZE					
		EMSD		 3M Center St. Paul, MN 55144					
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THIRD ANGLE PROJECTION		TOLERANCES EXCEPT AS NOTED		RD, JACKETED, 28 AWG, FLAT CABLE, HF759, HALOGEN FREE					
INTERPRET PER ASME Y14.5 - 2009		INCHES		CAGE NUMBER SIZE DRAWING NO. REV.					
MAX SURFACE ROUGHNESS		MILLIMETERS		578-5100-2336-5					
FLAT SURFACES		ANGLES		DET. STS YES NO SHT 1 OF 2					
☒ MARKED ONLY									

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.

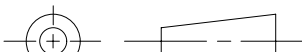
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DESIGN REFERENCE		NEXT ASSEMBLY		REV ECO		ISSUE DATE AND DESCRIPTION		DRFT CHKD	
ACCESS CODES				DRFT CASTIGLIONE		DATE JUN 14, 2018		APPR DATE	
				CHKD		DATE		APPR B. MIZE	
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		INCHES		RD, JACKETED, 28 AWG,		TITLE			
THIRD ANGLE PROJECTION		.00 ± .000 ± .0000 ±		FLAT CABLE, HF759,					
INTERPRET PER ASME Y14.5 2009		MILLIMETERS		HALOGEN FREE					
MAX SURFACE ROUGHNESS		.00 ± .00 ± .000 ±		CAGE NUMBER		B SIZE DRAWING NO.		REV.	
☒ DIM. SURFACES ☐ MARKED ONLY		.00 ± .000 ±		D 578-5100-2336-5				E	
				MODEL		HF759		DET. LISTS ☐ YES ☒ NO SHT 2 OF 2	