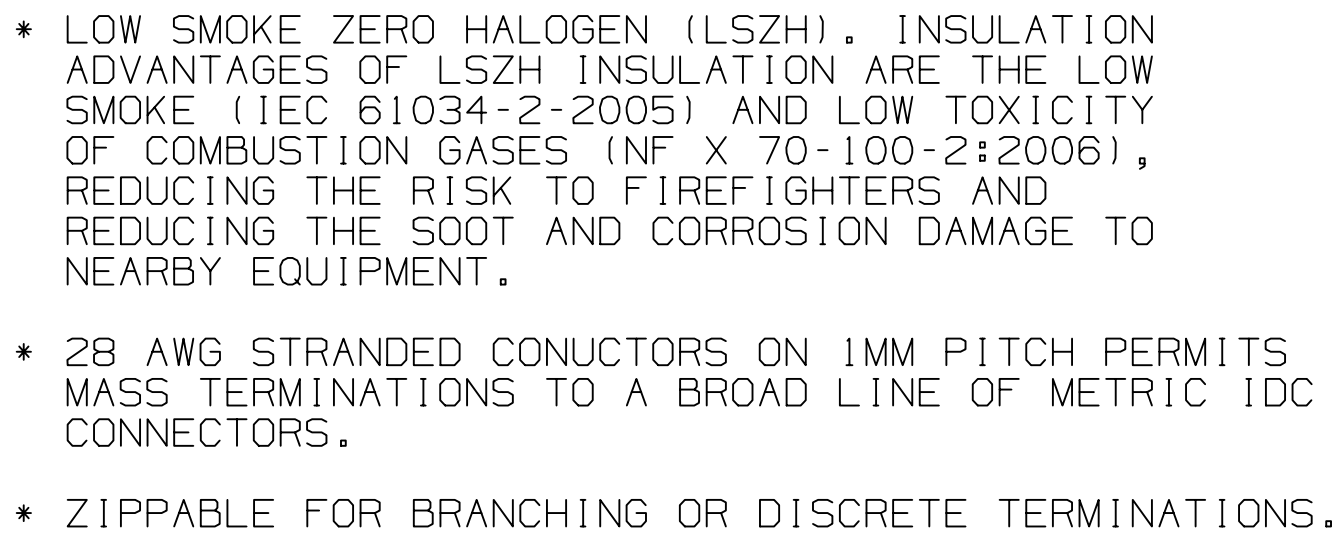


1MM, 28 AWG STRANDED, HALOGEN FREE PO



- | | |
|----|--|
| 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. |

NUMBER OF CONDUCTORS	3M PART NUMBER	DIMENSION A	DIMENSION B
06	HF625/06	6.00±.20 [.236]	5.00±.18 [.197]
08	HF625/08	8.00±.20 [.315]	7.00±.18 [.276]
10	HF625/10	10.00±.20 [.394]	9.00±.18 [.354]
12	HF625/12	12.00±.20 [.472]	11.00±.18 [.433]
14	HF625/14	14.00±.20 [.551]	13.00±.18 [.512]
16	HF625/16	16.00±.22 [.630]	15.00±.20 [.591]
18	HF625/18	18.00±.22 [.709]	17.00±.20 [.669]
20	HF625/20	20.00±.22 [.787]	19.00±.20 [.748]
22	HF625/22	22.00±.22 [.866]	21.00±.20 [.827]
24	HF625/24	24.00±.22 [.945]	23.00±.20 [.906]
26	HF625/26	26.00±.22 [1.024]	25.00±.20 [.984]
28	HF625/28	28.00±.22 [1.102]	27.00±.20 [1.063]
30	HF625/30	30.00±.25 [1.181]	29.00±.23 [1.142]
32	HF625/32	32.00±.25 [1.260]	31.00±.23 [1.220]
34	HF625/34	34.00±.25 [1.339]	33.00±.23 [1.299]
36	HF625/36	36.00±.25 [1.417]	35.00±.23 [1.378]
38	HF625/38	38.00±.25 [1.496]	37.00±.23 [1.457]
40	HF625/40	40.00±.25 [1.575]	39.00±.23 [1.535]
42	HF625/42	42.00±.25 [1.654]	41.00±.23 [1.614]
44	HF625/44	44.00±.25 [1.732]	43.00±.23 [1.693]
46	HF625/46	46.00±.25 [1.811]	45.00±.23 [1.772]
48	HF625/48	48.00±.25 [1.890]	47.00±.23 [1.850]
50	HF625/50	50.00±.25 [1.969]	49.00±.23 [1.929]

INSULATION 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

VOLTAGE RATING: USA 300V CANADIAN 150V EU: <50V
INSULATION RESISTANCE: $>1 \times 10^{10} \Omega/3m [10 \text{ FT.}]$

	UNBALANCED	BALANCED
CHARACTERISTIC IMPEDANCE:	85 Ω	144 Ω
CAPACITANCE:	60.5 pF/ft [18.44 pF/m]	33.8 pF/ft [10.29 pF/m]
INDUCTANCE:	.43 μ H/ft [.13 μ H/m]	.69 μ H/ft [.21 μ H/m]
PROPAGATION DELAY:	5.15 ns/ft [1.57 ns/m]	4.86 ns/ft [1.48 ns/m]
VELOCITY OF PROPAGATION:	65%	69%

NOTE: UNBALANCED IS MEASURED BETWEEN GROUND-SIGNAL-GROUND CONDUCTORS.
BALANCED IS MEASURED BETWEEN CONDUCTORS WITHIN A PAIR.

TEMPERATURE RATING: -40°C TO +105°C (EIA-364-32G, METHOD A, TEST CONDITION 2)
-10°C TO +90°C (UL TEMPERATURE RATING)

FLAMMABILITY RATING: UL: HORIZONTAL

HF625/XX XX

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

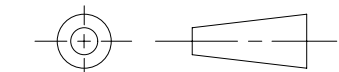
NOTE:
AVAILABLE IN STANDARD 30M AND 100M ROLLS.
PLEASE SPECIFY WHEN ORDERING. CONTACT 3M
FOR AVAILABILITY OF ADDITIONAL CONDUCTOR
COUNTS AND/OR CUSTOM ROLL LENGTHS.

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3Mconnectors.com>

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



MM [INCH]			
TOLERANCE - UNLESS NOTED			
	.X	.XX	.XXX
MM	±.3	±.13	XXX
[] = DIM. FOR REFERENCE ONLY			

	D	J9845	JUL 17, 2018		JNC	W
			REVISED & REDRAWN			
CAD REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
ADDRESS CODES		CHG DATE	CASTIGLIONE JUL 17, 2018		MFG DATE	
		CHGLD		DATE	APPROV. B. MIZE	DATE JUL 17, 2018
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		INCHES .00 ± .000 ± .0000 ±		TITLE HF625 ROUND CONDUCTOR FLAT CABLE, 1MM, 28AWG STRANDED		
THIRD ANGLE PROJECTION		MILLIMETERS 0 .00 ± .000 ± .000 ±		CAGE NO. SIZE DRAWING NO. REV. NUMBER D 78-5100-2338-1 D		
INTERPRET PER ASME Y14.5 2009				MODEL HF625		
MAX SURFACE ROUGHNESS CLASS SURFACES				DET. 1STS ☐ YES ☒ NO SHT 1 OF 2		
☒ UNMARKED ONLY						

3M™ ROUND CONDUCTOR FLAT CABLE, HF625 SERIES

1MM, 28 AWG STRANDED, HALOGEN FREE PO

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

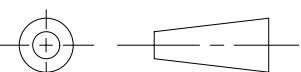
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REV ECO				ISSUE DATE AND DESCRIPTION				DRFT CHKD	
DATE CASTIGLIONE				DATE JUL 17, 2018		INFO		DATE	
CHKD				DATE		APPR. B. MIZE		DATE JUL 17, 2018	
DIVISION		DIVISION CODE EMSD		© 3M COPYRIGHT 2018					
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THIRD ANGLE PROJECTION		MILLIMETERS		TITLE HF625 ROUND CONDUCTOR FLAT CABLE, 1MM, 28AWG STRANDED					
INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS UNFINISHED SURFACES ☒ MARKED ONLY		MAX SURFACE ROUGHNESS UNFINISHED SURFACES ☒ MARKED ONLY		CAGE NUMBER D 78-5100-2338-1		REV. D	
MODEL HF625		SIZE DRAWING NO. D 78-5100-2338-1		DET. LISTS YES ☒ NO		SHT 2 OF 2			