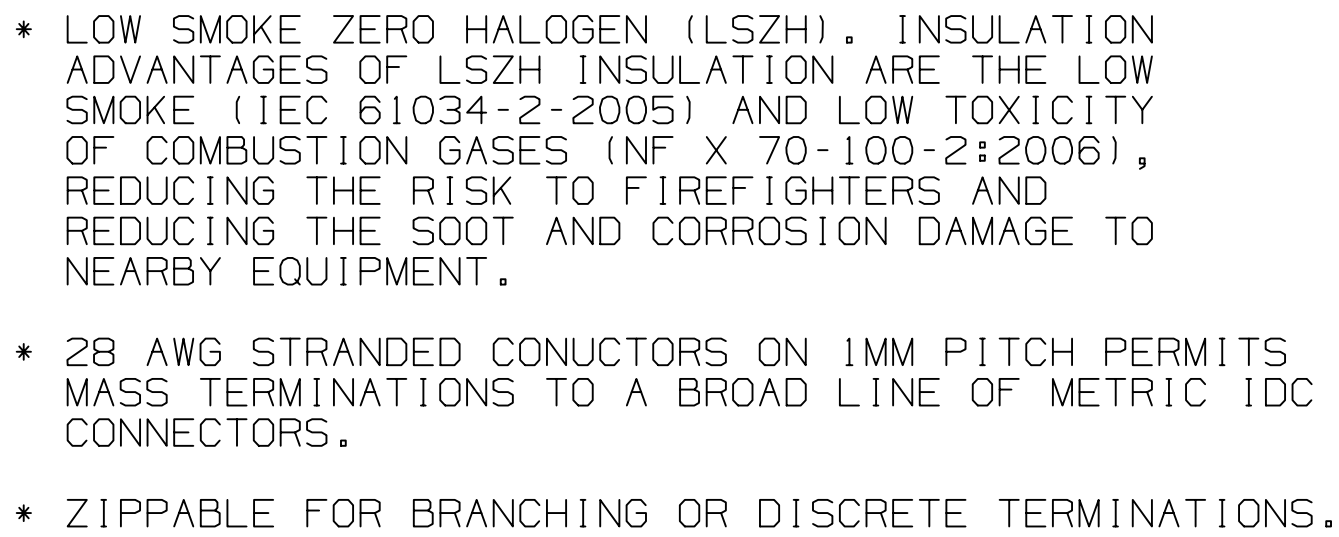


1MM, 28 AWG STRANDED, HALOGEN FREE PO



- | | |
|----|--|
| 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

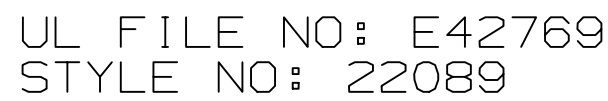
HF625/XX XX

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	IMB
		REVISED & REDRAWN					
DESIGN REFERENCE		NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
ADDRESS CODES			CHG	C	CASTIGLIONE	JUL 17, 2018	MFG DATE
			CHG	I	DATE	APPROV.	DATE
					B. MIZE		JUL 17, 2018
DIVISION		DIVISION CODE	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.		
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED					
		INCHES .00 ± .000 ± .0000 ±	TITLE HF625 ROUND CONDUCTOR FLAT CABLE, 1MM, 28AWG STRANDED				
THIRD ANGLE PROJECTION		MILLIMETERS 0 .00 ± .000 ± .000 ±	CAGE NUMBER		SIZE	DRAWING NO.	REV.
INTERPRET PER ASME Y14.5 - 2009			D		578-5100-2338-1		D
MAX SURFACE ROUGHNESS ONLY SURFACES			MODEL		HF625	DET. ISTS	YES ☒ NO ☐
☒ MARKED ONLY						SHT 1 OF 2	

