

TABLE 1						
NO. OF CONDUCTORS	3m part NUMBER	DIM. "A"	DIM. "B"			
09	HF659/09	.25 [6.4]	.40 [10.2]			
10	HF659/10	.25 [6.4]	.45 [11.4]			
14	HF659/14	.30 [7.6]	.65 [16.5]			
15	HF659/15	.30 [7.6]	.70 [17.8]			
16	HF659/16	.30 [7.6]	.75 [19.1]			
20	HF659/20	.33 [8.4]	.95 [24.1]			
24	HF659/24	.34 [8.6]	1.15 [29.2]			
25	HF659/25	.34 [8.6]	1.20 [30.5]			
26	HF659/26	.34 [8.6]	1.25 [31.8]			
30	HF659/30	.37 [9.4]	1.45 [36.8]			
34	HF659/34	.37 [9.4]	1.65 [41.9]			
36	HF659/36	.41 [10.4]	1.75 [44.5]			
37	HF659/37	.41 [10.4]	1.80 [45.7]			
40	HF659/40	.41 [10.4]	1.95 [49.5]			
50	HF659/50	.45 [11.4]	2.45 [62.2]			
60	HF659/60	.48 [12.2]	2.95 [74.9]			
64	HF659/64	.48 [12.2]	3.15 [80.0]			

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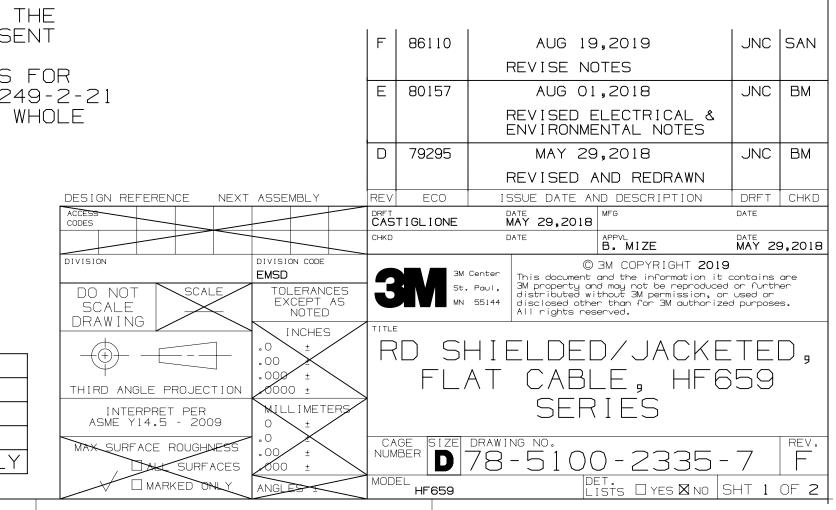
	5		4	3	2	1		
HF65		(61)]		 * LOW SMOKE ZERO HALOGEN (LSZH) INSULATION ADVANTAGES OF LSZH INSULATION ARE THE LOV SMOKE (IEC 61034-2-2005) AND LOW TOXICITY OF COMBUSTION GASES (NF X 70-100-2-2006), REDUCING THE RISK TO FIREFIGHTERS AND REDUCING THE SOOT AND CORROSION DAMAGE TO NEARBY EQUIPMENT. * ROUND CONSTRUCTION PERMITS MORE EASY ROUT * 28 AWG WIRE ON .050 INCH CENTERS PERMITS TERMINATION TO BROAD LINE OF IDC CONNECTOR * CONTINUOUS SPLIT/BOND REPEAT ALLOWS FOR M TERMINATIONS OF IDC CONNECTORS. * DUAL SHIELDING PROVIDES 35 db AVERAGE SH PRIMARY CABLE IS ZIPPABLE FOR BRANCHING (DISCRETE TERMINATION. 	VI Y Y TH TH TH TH TH TH TH TH TH TH TH TH TH	EGULATORY INFORMATION: ISIT 3M.com/regs OR CONTA OUR 3M REPRESENTATIVE TO HE ROHS COMPLIANCE STATUS HE 3M PART YOU ARE INTERE N. N THE EVENT OF CONFLICT ETWEEN THIS DATA AND THA ONTAINED IN THE PRODUCT PECIFICATION, THE PRODUC PECIFICATION TAKES PRECE CLUE MARKING ON ONE EDGE RIMARY CABLE DESIGNATES (IRE #1. DIMENSION "B" PERTAINS T BONDED AREA ONLY.	FIND SOF ESTED AT CT EDENT. E OF S	
	PRIMARY MATERIAL:	dark gray						С
CHAF	SHIELDING: C ELECTRICAL: VOLTAGE RATING: U INSULATION RESISTANCE: (ARACTERISTIC IMPEDANCE: CAPACITANCE: INDUCTANCE: PROPAGATION DELAY: ELOCITY OF PROPAGATION: NOTE: UNBALANCED IS I BALANCED IS ME. "MEASURED VALUE	28 AWG, 7 X .001 [.03] COVERAGE TIN USA 150V ((PRIMARY CAN UNBALANCED 54Ω 28.7 pF/ft .08μH/ft [1.55 ns/ft 66% MEASURED BE EASURED BETM	THICK ALUMINUM/PC NNED COPPER BRAID CANADIAN 150V E BLE) >1 X 10 ¹⁰ Ω/10 BAL 10 [84.2 pF/m] 14 .27μH/m] .16 [4.95 ns/m] 1.9 66 ETWEEN GROUND-SIG WEEN CONDUCTORS W	EU: <50V Oft. [3m] ALANCED D7Q 4.4 pF/ft [47.2 pF/m] 16µH/ft [.52µH/m] .54 ns/ft [4.95 ns/m] 5% GNAL-GROUND CONDUCTORS.				
HALOGEN PRODUCT ARE LESS BROMINE PRINTED STANDARD	FLAMMABILITY RATING: I FREE IS DEFINED AS BOTH OR USED IN THE MANUFACTU S THAN 900ppm BROMINE, LE AND CHLORINE. THE LATTEF CIRCUIT BOARDS, SUCH AS	-15°C TO +7 INTERNAL: H EXTERNAL: C URING PROCE ESS THAN 90 ER ARE THE L THE INTERN PRESENTS 3M'	'5°C (UL TEMPERATU HORIZONTAL FLAME F CABLE FLAME (VERTI ESS FOR THE PRODU OOPPM CHLORINE ANN LEVELS SET FORTH NATIONAL ELECTROTO 'S KNOWLEDGE AND I	PER UL758 ICAL) PER UL758 AT ARE INTENTIONALLY ADDED TO THE JCT AND 2) ANY IMPURITIES PRESENT ND/OR LESS THAN 1500ppm TOTAL IN CERTIAN INDUSTRY STANDARDS FOR FECHNICAL COMMISSION (IEC) 61249-2-21 BELIEF WHICH MAY BE BASED IN WHOLE	F 861 E 801 D 792	REVISE NOTES 157 AUG 01,2018 JN REVISED ELECTRICAL & ENVIRONMENTAL NOTES	NC SAN NC BM NC BM	3/28/2019 - <u>- UTC Offset (hrs)</u> 6



TOLERANCE - UNLESS NOTED						
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[] = DIM. FOR REFERENCE ON						

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	3M™ ROUND SHIE .050" 28 awg stranded, m	ELDED/JACH ass terminatable	(ETED, FL , halogen free	_AT CABLE, po/po	HF6
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			REVISE NOTES			
	E	80157	AUG 01,2018		JNC	ВМ
			REVISED ELECTRICAL & ENVIRONMENTAL NOTES			
	D	79295	MAY 29,2018		JNC	ВМ
			REVISED AND REDRAWN			
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