

TABLE 1

DIMENSION CHART

NUMBER OF CONDUCTORS	3m part Number	DIMENSION "A" ± AS NOTED	DIMENSION 'B' (SEE NOTE 2)
6	HF319/06	0.300 ^{,,} ±0.010 ^{,,}	0.250 ^{vv} ±0.007 ^{vv}
9	HF319/09	0.450 ^{,,,} ±0.010 ^{,,,}	0.400 ^{**} ±0.007 ^{**}
10	HF319/10	0.500 ^{,,,} ±0.010 ^{,,,}	0.450 ^{,,} ±0.007 ^{,,}
14	HF319/14	0.700 ^{,,,} ±0.010 ^{,,,}	0.650°°±0.007°°
15	HF319/15	0.750 ^{,,,} ±0.010 ^{,,,}	0 . 700 °° ±0.007 °°
16	HF319/16	0.800"±0.015"	0.750°°±0.011°°
20	HF319/20	1 .000 °° ±0.015 °°	0.950°°±0.011°°
24	HF319/24	1 .200 ** ±0.015**	1 . 150 °° ±0.011 °°
25	HF319/25	1.250"±0.015"	1 . 200 °° ±0.011 °°
26	HF319/26	1.300 ^{,,,} ±0.015 ^{,,,}	1 ° 250 ° ±0 ° 01 1 °
30	HF319/30	1.500 ^{,,,} ±0.020 ^{,,,}	1 • 450°° ±0 • 015°°
34	HF319/34	1 .700 ^{**} ±0.020 ^{**}	1.650°±0.015°
36	HF319/36	1 .800 ^{••} ±0.020 ^{••}	1.750°±0.015°
37	HF319/37	1.850"±0.020"	1 . 800 ° ±0.015 °
40	HF319/40	2.000 ^{,,,} ±0.020 ^{,,,}	1 . 950°° ±0.015°
50	HF319/50	2.500 ^{**} ±0.020 ^{**}	2.450°°±0.015°°
60	HF319/60	3 . 000 ° ° ±0 . 020 ° °	2.950°±0.015°
64	HF319/64	3 . 200 ^{vv} ±0 . 020 ^{vv}	3.150°±0.015°

INSULATION RESISTANCE
CHARACTERISTIC IMPEDANCE
CAPACITANCE
INDUCTANCE
PROPAGATION DELAY
VELOCTY OF PROPAGATION
NOTE: UNBALANCED IS MEASUR

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CPSUS

"PRINTING ILLUSTRATION" \mathbf{F} AWM 21682 105°C 300V HOR \mathbf{F} AWM 1A 105° 150V FT2 EU<50V

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CE	15.0 pf/ft [49.2 pf/m]	8.4 pf/ft [27.7 pf/m]					
E	0.15 µH/ft [0.49 µH/m]	0.24 µH/ft [0.79 µH/m]					
ON DELAY	1.48 ns/ft [4.86 ns/m]	1.42 ns/ft [4.66 ns/m]					
F PROPAGATION	68%	72%					
ALANCED IS MEASURED BETWEEN GROUND-SIGNAL-GROUND CONDUCTORS. ANCED IS MEASURED WITHIN A PAIR.							

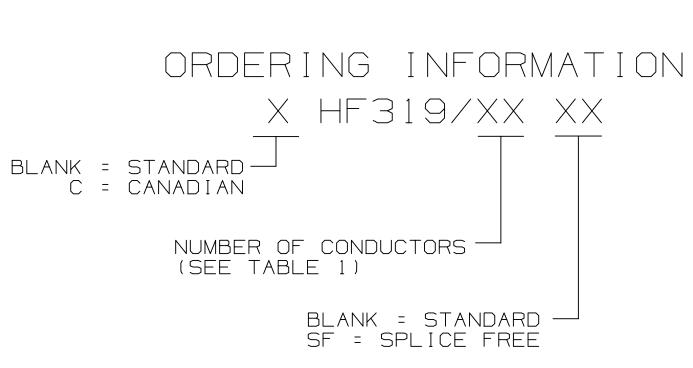
TABLE 2

100 Ω

ELECTRICAL CHARACTERISTICS						
VOLTAGE RATING	USA: 300V, CANA	DA: 150V, EU: 50V				
INSULATION RESISTANCE	PRIMARY CABLE >1 3	Х 10º л/10 FT [З m]				
	UNBALANCED	BALANCED				

169 Ω

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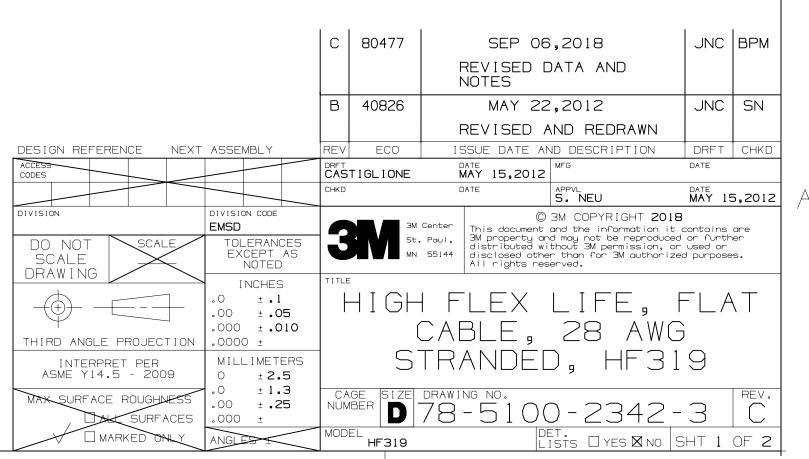


RADIUS	MINIMUM C
1/2**	18 MILLIO
3/4 **	113 MILLI
ALL CYCLES WERE F Conditions.	PERFORMED AT A

ROLLING FLEX CYCLES PER EIA-364-41

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1 .	MATERIAL:	NOTES	-
	POLYOLEFIN (F	28 AWG, 19 X 40 AWG	
2.	VISIT 3M.com/reg REPRESENTATIVE T	MATION: s OR CONTACT YOUR 3M O FIND THE RoHS COMPLIANCE PART YOU ARE INTERESTED IN.	
	UL FILE NO: E427 UL STYLE NO: 216		
3.	STANDARD: NONE CANADIAN: SEE	"PRINTING ILLUSTRATION" VIEW Blue mark on edges e number 1.	
4.	TEMP RATING:	40°C TO +105°C (EIA-364-32G, ethod A, test condition 2).	
	RA	O°C TO +105°C (UL TEMPERATURE TING) TING: HORIZONTAL.	
5.	HALOGEN FREE IS 1) NO HALOGEN C INTENTIONALL USED IN THE THE PRODUCT. 2) ANY IMPURITI 900 ppm BROM CHLORINE AND TOTAL BROMIN ARE THE LEVE INDUSTRY STA BOARDS, SUCH ELECTROTECHN 61249-2-21 S REPRESENTS 3 WHICH MAY BE	DEFINED AS BOTH: OMPOUNDS THAT ARE Y ADDED TO THE PRODUCT OR MANUFACTURING PROCESS FOR ES PRESENT ARE LESS THAN INE, LESS THAN 900 ppm /OR LESS THAN 1500 ppm E AND CHLORINE. THE LATTER LS SET FORTH IN CERTIAN NDARDS FOR PRINTED CIRCUIT AS THE INTERNATIONAL ICAL COMMISSION (IEC) TANDARD. THIS INFORMATION M/S KNOWLEDGE AND BELIEF BASED IN WHOLE OR IN PART ON PROVIDED BY 3RD PARTY	C
			342-3 REVISION
			78-5100-23 DRAWING NUMBER

CYCLES DN [ON AMBIENT



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С								3M warran the time EXPRESS (CONDITION WARRANTY
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								any loss incidente warranty
								3M Electr 6801 Rive Austin, 1-800-225
								www.3M.co
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					REVISED DATA AND NOTES				
		В	40826		MAY 22	,2012	JNC	SN	I
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DESIGN REFERENCE NEXT	ASSEMBLY	REV	ECO	I SS	GUE DATE AN	D DESCRIPTION	DRFT	СНКД	ı.
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THIRD ANGLE PROJECTION	INCHES .0 ± .1 .00 ± .05 .000 ± .010 .0000 ±		HIGH (CAE	3LE,	LIFE, f 28 AWG	Ĵ	νT	
INTERPRET PER ASME Y14.5 - 2009	MILLIMETERS 0 ± 2.5		S	TRA	NDE), HF31	9		l
MAX SURFACE ROUGHNESS	.0 ±1.3 .00 ±.25 .000 ±	CA NUM	GE SIZE BER D	drawin 78-)-2342-	З	REV.	
MARKED ONLY	ANGLES	MOD	HF319			et. Ists □yes⊠no S	SHT 2	OF 2	r

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<u>3M</u>: <u>HF319/25</u>