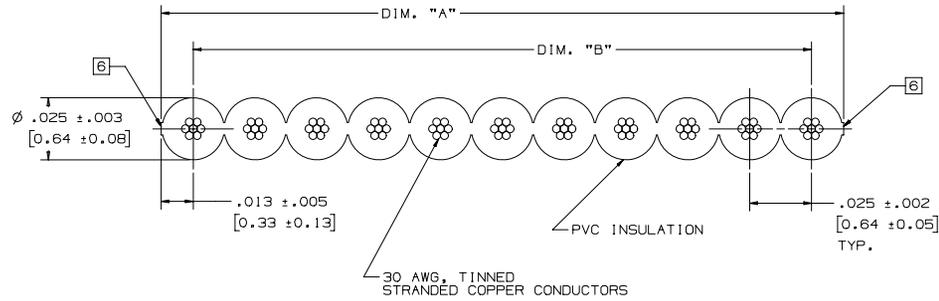


3M™ HIGH FLEX CABLE, ROUND CONDUCTOR, 3322 SERIES  
 .025", 30 AWG STRANDED, PVC



- NOTES
- REGULATORY INFORMATION: VISIT 3M.com/regs
  - FLEX LIFE OF 100 MILLION CYCLES AT 1-3/4" DIA.
  - 19 STRANDS OF HIGH STRENGTH COPPER ALLOY PROVIDES THE LONGEST FLEX LIFE AVAILABLE FOR DYNAMIC APPLICATION.
  - 30 AWG WIRE ON .025" WIRE SPACING PERMITS MASS TERMINATION TO A BROAD LINE OF IDC CONNECTORS.
  - ZIPPABLE FOR BRANCHING OR DISCRETE TERMINATION.
  - RED MARKING ON ONE EDGE OF CABLE DESIGNATES WIRE #1.

ORDERING INFORMATION

3322/XX XX

BLANK = STANDARD  
 C = CANADIAN CERTIFIED VERSION  
 NUMBER OF CONDUCTORS (SEE TABLE)  
 BLANK = STANDARD  
 SF = SPLICE FREE

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

PHYSICAL :

INSULATION MATERIAL: POLYVINYL CHLORIDE (PVC)  
 COLOR: BLACK  
 MARKING STANDARD: NONE  
 CANADIAN: SEE "PRINTING ILLUSTRATION" VIEW

CONDUCTORS MATERIAL: 30 AWG, 19 X 42AWG SILVER PLATED STRANDED COPPER ALLOY (89% CONDUCTIVITY)

ELECTRICAL :

VOLTAGE RATING: USA 30V CANADIAN 30V EU: <50V  
 INSULATION RESISTANCE: (PRIMARY CABLE) >1 X 10<sup>10</sup>Ω/10ft. (3m)

TABLE 1			
NUMBER OF CONDUCTORS	3M PART NUMBER	DIMENSION A	DIMENSION B
06	3322/06	.151±.008 [3.84]	.125±.007 [3.18]
09	3322/09	.226±.008 [5.74]	.200±.007 [5.08]
10	3322/10	.251±.008 [6.38]	.225±.007 [5.72]
14	3322/14	.351±.008 [8.92]	.325±.007 [8.26]
15	3322/15	.376±.008 [9.55]	.350±.007 [8.89]
16	3322/16	.401±.009 [10.19]	.375±.008 [9.53]
20	3322/20	.501±.009 [12.73]	.475±.008 [12.07]
24	3322/24	.601±.009 [15.27]	.575±.008 [14.61]
25	3322/25	.626±.009 [15.90]	.600±.008 [15.24]
26	3322/26	.651±.009 [16.54]	.625±.008 [15.88]
30	3322/30	.751±.010 [19.08]	.725±.009 [18.42]
34	3322/34	.851±.010 [21.62]	.825±.009 [20.96]
36	3322/36	.901±.010 [22.89]	.875±.009 [22.23]
37	3322/37	.926±.010 [23.52]	.900±.009 [22.86]
40	3322/40	1.001±.010 [25.43]	.975±.009 [24.77]
50	3322/50	1.251±.010 [31.78]	1.225±.009 [31.12]
60	3322/60	1.501±.011 [38.13]	1.475±.010 [37.47]
64	3322/64	1.601±.011 [40.67]	1.575±.010 [40.01]

TYPICAL MEASURED DATA		
	UNBALANCED	BALANCED
IMPEDANCE	67Ω	112Ω
CAPACITANCE	76.1 pF/m [23.2 pF/ft]	42.8 pF/m [13.05 pF/ft]
INDUCTANCE	0.33 uH/m [0.10 uH/ft]	0.52 uH/m [0.16 uH/ft]
PROPAGATION DELAY	5.09 ns/m [1.55 ns/ft]	4.82 ns/m [1.47 ns/ft]
VELOCITY OF PROPAGATION	66%	69%

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

ENVIRONMENTAL :

TEMPERATURE RATING: -20°C TO 105°C  
 FLAMMABILITY RATING: USA: VW-1 CANADA: FT1

CANADIAN OPTION  
 "PRINTING ILLUSTRATION"

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

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



AWM 20596 105C 30V VW1 3M NU



AWM 1A 105C 30V FT1 EU <50V



UL FILE NO: E42769  
 STYLE NO: 20596

DIMENSIONS: INCHES [MM]  
 [MM] IS FOR REF. ONLY

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECD	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
AWM 20596		001		04/2024 W. OWENS	001	11/2024
DIVISION		DESIGN CODE		DATE		
DO NOT SCALE DRAWING		EMSD		DATE		
THIRD ANGLE PROJECTION		TOLERANCES EXCEPT AS NOTED		DATE		
INTERPRET PER ASME Y14.5 - 2018		INCHES		DATE		
FINISH SURFACES MARKED ONLY		MILLIMETERS		DATE		
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		.000		DATE		
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