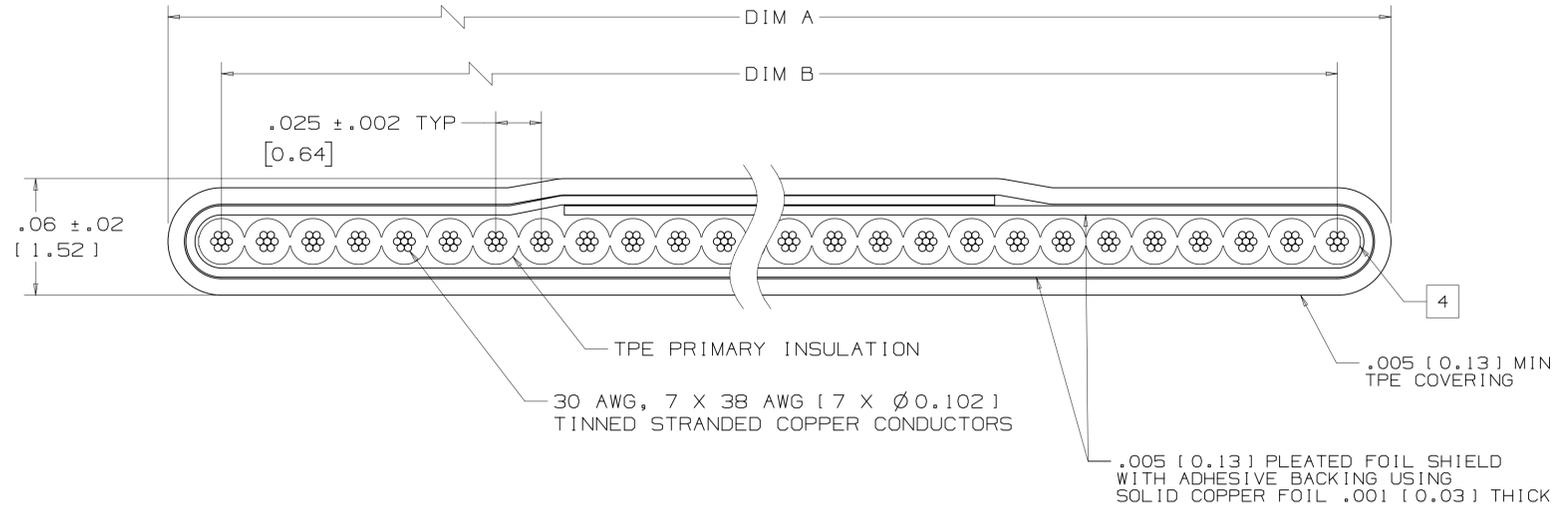


3M™ PLEATED FOIL SHIELDED CABLE, 90202 SERIES
 .025" 30 AWG STRANDED, TPE PRIMARY, THIN TPE COVER

- NOTES
- REGULATORY INFORMATION: FOR REGULATORY INFORMATION ABOUT THIS PRODUCT, VISIT 3m.com/regs OR CONTACT YOUR 3M REPRESENTATIVE.
 UL FILE NO: E118773, POWER LIMITED CIRCUIT CABLE: CL2
 - CAN BE USED WITH IDC MASS TERMINATION CONNECTORS.
 - PLEATED COPPER FOIL PROVIDES FLEXIBILITY AND 35db AVERAGE SHIELDING EFFECTIVENESS.
 - BLUE MARKING ON ONE EDGE OF PRIMARY CABLE DESIGNATES WIRE #1.



ORDERING INFORMATION

90202/XX XX

BLANK = STANDARD
 C = CANADIAN CERTIFIED VERSION

BLANK = STANDARD
 SF = SPLICE FREE

NUMBER OF CONDUCTORS (SEE TABLE)

NOTE: AVAILABLE IN STANDARD 100 FT OR 300 FT ROLLS. PLEASE SPECIFY WHEN ORDERING. CONTACT 3M FOR AVAILABILITY OF ADDITIONAL CONDUCTOR COUNTS AND/OR CUSTOM ROLL LENGTHS.

TABLE 1			
NUMBER OF CONDUCTORS	3M PART NUMBER	DIMENSION A	DIMENSION B
20	90202/20	0.54 [13.7]	0.475±.006 [12.06]
26	90202/26	0.69 [17.5]	0.625±.006 [15.88]
36	90202/36	0.94 [23.9]	0.875±.009 [22.23]
40	90202/40	1.04 [26.4]	0.975±.009 [24.77]
50	90202/50	1.29 [32.8]	1.225±.009 [31.11]
60	90202/60	1.54 [39.1]	1.475±.012 [37.47]
68	90202/68	1.74 [44.2]	1.675±.012 [42.55]
80	90202/80	2.04 [51.8]	1.975±.015 [50.17]
100	90202/100	2.54 [64.5]	2.475±.017 [62.87]

PHYSICAL :

INSULATION MATERIAL: THERMOPLASTIC ELASTOMER, TPE
 COLOR: GRAY
 PRIMARY MATERIAL: THERMOPLASTIC ELASTOMER, TPE (TPO TYPE)
 COLOR: GRAY

MARKING
 STANDARD: NONE
 CANADIAN OPTION: SEE "PRINTING ILLUSTRATION" VIEW

CONDUCTORS
 MATERIAL: 30 AWG, 7 X 38 AWG (7 X Ø0.102) TINNED STRANDED COPPER
 SHIELDING: SOLID, PLEATED, COPPER FOIL

ELECTRICAL :

VOLTAGE RATING: USA: 150V CANADA: 150V EU: <50V
 INSULATION RESISTANCE: (PRIMARY) >1 X 10¹⁰Ω/10ft. [3m]

CHARACTERISTIC IMPEDANCE:	UNBALANCED 46.1Ω	BALANCED 88.5Ω
CAPACITANCE:	35.3 pF/ft [116 pF/m]	18.3 pF/ft [60 pF/m]
INDUCTANCE:	0.08μH/ft [0.25μH/m]	0.14μH/ft [0.47μH/m]
PROPAGATION DELAY:	1.63 ns/ft [5.35 ns/m]	1.62 ns/ft [5.31 ns/m]
VELOCITY OF PROPAGATION:	62%	62%

NOTE: UNBALANCED IS MEASURED BETWEEN GROUND-SIGNAL-GROUND CONDUCTORS WITH SHIELD GROUNDED. BALANCED IS MEASURED BETWEEN SIGNAL CONDUCTORS WITHIN A PAIR WITH THE SHIELD FLOATING.

ENVIRONMENTAL :

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



CANADIAN OPTION
 "PRINTING ILLUSTRATION"

AWM 20297 105C 150V VW1 3M NU

AWM 1A 105C 150V FT1 EU <50V

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

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 FOR TECHNICAL, SALES OR ORDERING
 INFORMATION CALL 800-225-5373

INCH [MM]			
TOLERANCE - UNLESS NOTED			
	.X	.XX	.XXX
INCH	±.1	±.05	±.010
[] = DIM. FOR REFERENCE ONLY			

DIMENSIONS: INCH [MM]

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
				DEC 16, 2021		
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED				
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS				
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 .025" 30 AWG STRANDED, TPE PRIMARY, THIN TPE COVER

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