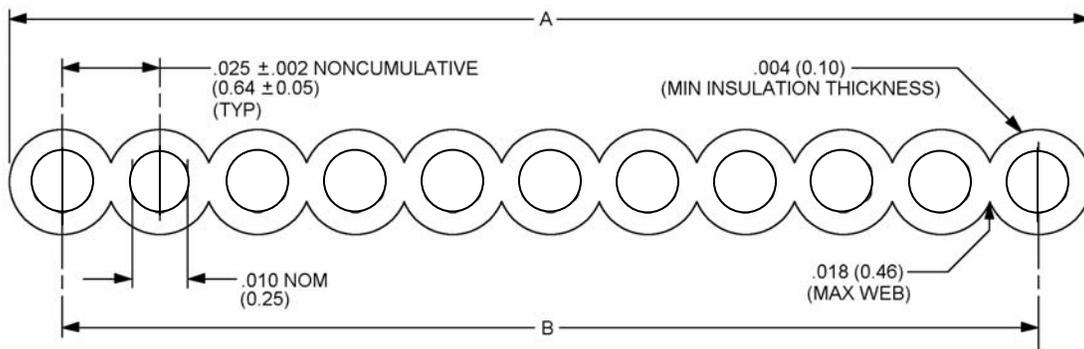


DETAIL SPECIFICATION SHEET

CABLES, SPECIAL PURPOSE, FLEXIBLE, FLAT, UNSHIELDED,  
30 AWG SOLID, ROUND CONDUCTOR 200°C (.025 INCH PITCH)

This specification is approved for use by all Departments  
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-49055.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Theoretical average diameter for stranded wires.

FIGURE 1. Dimensions and configuration.

TABLE I. Dash numbers and characteristics.

Dash number	Number of conductors	Cable width 'A' inches	End condition to end condition "B" inches	Weight. (lb/1,000 ft)	
				Nominal	Max
01	10	.250 ± .007	.225 ± .005	7.5	10%
02	16	.400 ± .007	.375 ± .005	12	10%
03	20	.500 ± .007	.475 ± .005	15	10%
04	26	.650 ± .007	.635 ± .005	19.5	10%
05	34	.850 ± .007	.825 ± .005	25.5	10%
06	40	1.000 ± .007	.975 ± .006	30	10%
07	50	1.250 ± .010	1.225 ± .006	37.5	10%
08	60	1.500 ± .010	1.475 ± .006	45	10%
09	64	1.600 ± .010	1.575 ± .006	48	10%
10	68	1.700 ± .010	1.675 ± .006	51	10%
11	80	2.000 ± .010	1.975 ± .006	60	10%
12	100	2.500 ± .010	2.475 ± .006	75	10%

## REQUIREMENTS:

Dimensions and configurations: See figure 1 and table I.

Insulation material: Extruded Fluorinated Ethylene Propylene (FEP).

Temperature rating: -55°C to +200°C.

Voltage rating: 300 V rms at sea level.

DC resistance 104 ohms/1000 feet (25.4 m) at 20°C.

Conductor:

Conductor AWG: 30 AWG solid.

Conductor coating: Silver plated copper.

Withstanding voltage (at sea level): 2,000 V rms.

Thermal shock: -55°C to +200°C.

Flammability: Nonburning.

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Flexing endurance (-55 ± 5°C to + 200 ± 5°C): 500 cycles.

Moisture resistance: When the moisture resistance test is performed as specified in MIL-DTL-49055 the insulation resistance shall not be less than 50 megohms per 1,000 feet (25.4 m) minimum.

Shrinkage: .125 inch (3.18 mm) on either end.

Markings (optional): In accordance with MIL-DTL-49055.

Strippability: Not applicable.

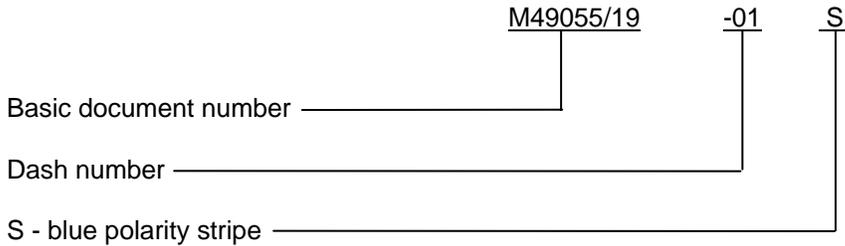
Solderability: Not applicable.

Tear groove propagation: Not applicable.

Color: natural with blue polarity stripe.

Part or Identifying Number (PIN): The PIN shall consist of the letter M, the basic number of this specification sheet, the dash number from table I and "S" for polarity stripe.

Example:



CONCLUDING MATERIAL

Custodians:  
Army - CR  
Navy - AS  
Air Force - 11  
DLA - CC

Preparing activity:  
DLA - CC  
  
(Project 6145-2383-002)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.