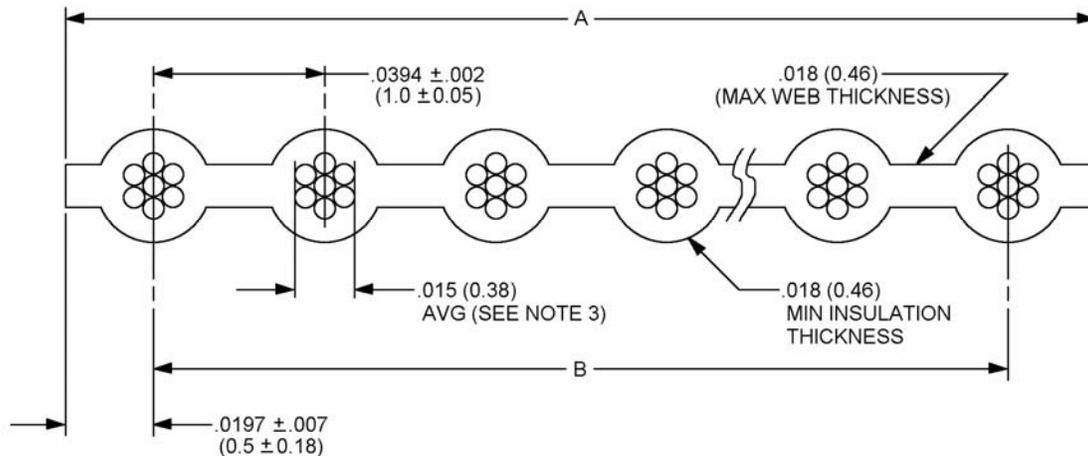


DETAIL SPECIFICATION SHEET

CABLES, SPECIAL PURPOSE, FLEXIBLE, FLAT, UNSHIELDED,  
28 AWG STRANDED, ROUND CONDUCTOR 200°C (1 MM 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	0.394 ± .007	0.355 ± .006	12	+10%
02	16	0.630 ± .007	0.591 ± .006	19.2	+10%
03	20	0.788 ± .007	0.749 ± .006	24.0	+10%
04	26	1.024 ± .010	0.985 ± .006	31.2	+10%
05	30	1.143 ± .006	1.182 ± .010	36	+10%
06	34	1.340 ± .010	1.300 ± .008	40.8	+10%
07	40	1.576 ± .010	1.537 ± .008	48	+10%
08	44	1.169 ± .008	1.714 ± .010	52.8	+10%
09	50	1.970 ± .010	1.931 ± .008	60	+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: 62.0 ohms/1000 feet (25.4 m) at 20°C.

Conductor:

AWG: 28 AWG.

Stranding: 7/36.

Conductor coating: Silver plated copper.

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

Thermal shock: -55°C to +200°C.

Flammability: Non-burning.

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

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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: 0.125 inch (3.18 mm) on either end.

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

Strippability: Not applicable.

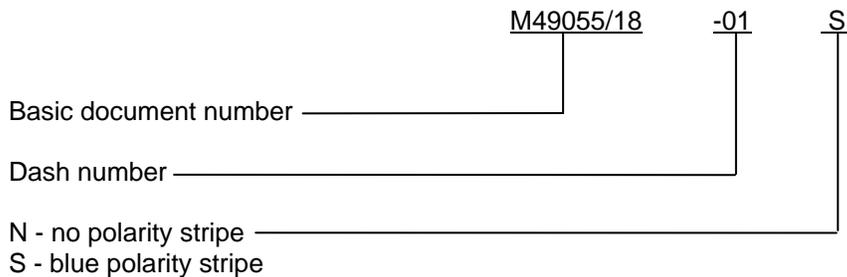
Solderability: Not applicable.

Tear groove propagation: Not applicable.

Color: Blue or blue 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 "N" for no polarity stripe or "S" for a polarity stripe.

Example:



CONCLUDING MATERIAL

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

Preparing activity:  
DLA - CC  
(Project 6145-2383-001)

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>.