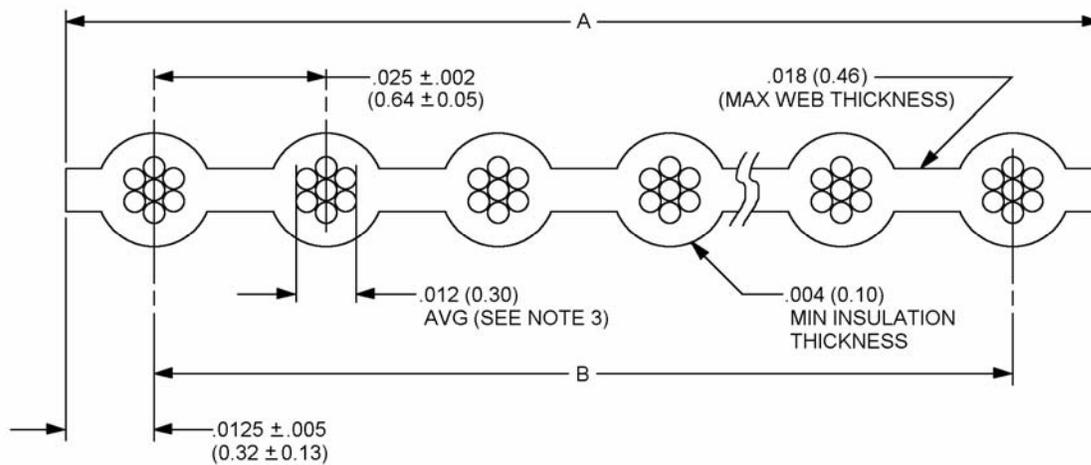


DETAIL SPECIFICATION SHEET

CABLES, SPECIAL PURPOSE, FLEXIBLE, FLAT, UNSHIELDED,  
30 AWG STRANDED, 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.

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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	8	10%
02	16	.400 ± .007	.375 ± .005	12.8	10%
03	20	.500 ± .007	.475 ± .005	16	10%
04	26	.650 ± .007	.635 ± .005	20.8	10%
05	34	.850 ± .007	.825 ± .005	27.2	10%
06	40	1.000 ± .007	.975 ± .006	32	10%
07	50	1.250 ± .010	1.225 ± .006	40	10%
08	60	1.500 ± .010	1.475 ± .006	48	10%
09	64	1.600 ± .010	1.575 ± .006	51.2	10%
10	68	1.700 ± .010	1.675 ± .006	54.4	10%
11	80	2.000 ± .010	1.975 ± .006	64	10%
12	100	2.500 ± .010	2.475 ± .006	80	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 96.3 ohms/1000 feet (25.4 m) at 20°C.

Conductor:

AWG: 30 AWG.

Stranding: 7/38.

Conductor coating: Silver plated copper.

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

Thermal shock: -55°C to +200°C.

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Flammability: Nonburning.

Flexing endurance (-55 ± 5°C to + 200 ± 5°C): 2 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.

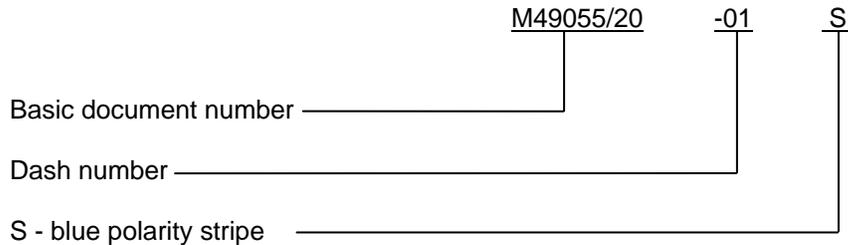
Solderability: Not applicable.

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 6145-2383-003)

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>.