

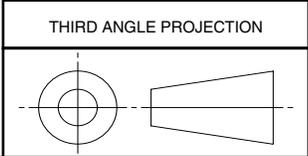
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ISSUED 2004-06

CUSTODIAN: SAE AE-8/AE-8D

PROCUREMENT SPECIFICATION: MIL-C-85485



**AEROSPACE STANDARD**

CABLE, ELECTRIC, FILTER LINE, UNSHIELDED, UNJACKETED, MULTIPLE-COMPONENT, RADIO FREQUENCY ABSORPTIVE, 150°C, 600-VOLT

**AS85485/11**  
SHEET 1 OF 3

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**AS85485/11**

Component Wires -  
 M85485/9 for Tin-Coated Copper  
 M85485/10 for Silver-Coated High-Strength Copper Alloy



FIGURE 1. TYPICAL CONFIGURATION

## RATINGS:

TEMPERATURE RATING: 150°C (302°F) MAXIMUM CONTINUOUS CONDUCTOR TEMPERATURE.

VOLTAGE RATING: 600 VOLTS (RMS) AT SEA LEVEL.

## ADDITIONAL REQUIREMENTS:

ATTENUATION (INSERTION LOSS): THE CABLE OF THIS SPECIFICATION SHEET MEETS THE ATTENUATION REQUIREMENTS FOR THE APPLICABLE WIRE SIZE AND NUMBER OF COMPONENTS WHEN SHIELDED IN ACCORDANCE WITH M85485/12-\*\*\*\*. CONSULT QPL SOURCE FOR DETAILS.

INSULATION FLAWS: SPARK TEST - 3.0 KILOVOLTS (RMS), 60 HZ  
 IMPULSE DIELECTRIC TEST - 8.0 KILOVOLTS (PEAK)

THERMAL STABILITY: 1250 HOURS AT 180° ± 3°C (356° ± 5°F). THE CABLE OF THIS SPECIFICATION SHEET, WHEN SHIELDED IN ACCORDANCE WITH M85485/12-\*\*\*\*, SHALL MEET THE VOLTAGE WITHSTAND (DIELECTRIC) OF 1500 VOLTS (RMS), 60 HZ, AND THE STOP BAND ATTENUATION REQUIREMENTS FOR THE APPLICABLE COMPONENT WIRE SIZE AND NUMBER OF COMPONENTS. CONSULT QPL SOURCE FOR DETAILS.

VOLTAGE WITHSTAND (DIELECTRIC): CONDUCTOR TO CONDUCTOR, 1500 VOLTS (RMS), 60 HZ

TABLE I. CONSTRUCTION DETAILS

Part No. 1/	Conductor Size	Number of Components	Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
			(nom)	(max)	
M85485/11-24*2†	24	2	.090	.094	6.1
M85485/11-22*2†	22	2	.102	.108	8.2
M85485/11-20*2†	20	2	.118	.124	11.8
M85485/11-18*2†	18	2	.140	.146	17.7
M85485/11-16*2†	16	2	.156	.164	22.8
M85485/11-14*2†	14	2	.190	.198	32.8
M85485/11-24*3†	24	3	.097	.102	9.2
M85485/11-22*3†	22	3	.110	.117	12.2
M85485/11-20*3†	20	3	.127	.134	17.7
M85485/11-18*3†	18	3	.151	.158	26.6
M85485/11-16*3†	16	3	.169	.177	34.3
M85485/11-14*3†	14	3	.205	.214	49.3
M85485/11-24*4†	24	4	.109	.129	12.2
M85485/11-22*4†	22	4	.123	.149	16.3
M85485/11-20*4†	20	4	.143	.171	23.7
M85485/11-18*4†	18	4	.169	.201	35.5
M85485/11-16*4†	16	4	.189	.226	45.7
M85485/11-14*4†	14	4	.230	.272	65.7
M85485/11-24*5†	24	5	.122	.141	15.3
M85485/11-22*5†	22	5	.138	.162	20.4
M85485/11-20*5†	20	5	.159	.186	29.6
M85485/11-18*5†	18	5	.189	.219	44.4
M85485/11-16*5†	16	5	.211	.246	57.1
M85485/11-14*5†	14	5	.257	.297	82.1

1/ PART NO.: The asterisks in the part number column shall be replaced by component wire material designators in accordance with MIL-C-85485. The daggers in the part number column shall be replaced by color code designators in accordance with MIL-C-85485.