

Part Number: 83265 Coax - MIL-C-17G

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



DESCRIPTION:

50 ohm M17/169-00001 (RG-178B/U) coax, 30 AWG stranded (7x38) .012" silver-coated copper-covered steel, TFE core, braid shield 96% coverage, FEP jacketed.

PHYSICAL CHARACTERISTICS :

CONDUCTOR :

Number of Coax: 1
Total Number of Conductors: 1
RG Type: 178B/U
AWG: 30
Stranding: 7x38
Conductor Diameter: .012 in.
Conductor Material: SPPCS - Silver Plated Copper Covered Steel

INSULATION :

Insulation Material Trade Name: Teflon®
Insulation Material: TFE - Tetrafluoroethylene
Insulation Diameter: .033 in.

OUTER SHIELD :

Outer Shield Type: Braid
Outer Shield Material: SPC - Silver Plated Copper
Outer Shield %Coverage: 96 %

OUTER JACKET :

Outer Jacket Material Trade Name: Teflon®
Outer Jacket Material: FEP - Fluorinated Ethylene Propylene

OVERALL NOMINAL DIAMETER :

Overall Nominal Diameter: .071 in.

MECHANICAL CHARACTERISTICS :

Operating Temperature Range: -70 ° C To +200 ° C
Temperature Rating: 200 ° C
Bulk Cable Weight: 6 lbs/1000 ft.
Max. Recommended Pulling Tension: 12 lbs.
Min. Bend Radius (Install): 1 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE :

APPLICABLE STANDARDS :

Military Specification: M17/169-00001

FLAME TEST :

UL Flame Test: 1581 Vertical Flame (VW-1)

PLENUM/NON-PLENUM :

Plenum (Y/N):

N

ELECTRICAL CHARACTERISTICS :

Nom. Characteristic Impedance:

50 Ω

Nom. Inductance:

0.072 μH/ft

Nom. Capacitance Conductor to Shield:

29.0 pF/ft

Nominal Velocity of Propagation:

69.5 %

Nominal Delay:

1.46 ns/ft

Nom. Conductor DC Resistance @ 20 Deg. C:

244.0 Ω/1000 ft

Nominal Outer Shield DC Resistance:

14.6 Ω/1000 ft

Nom. Attenuation:

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
Nominal Attenuation	1			2.6
	10			5.6
	50			10.5
	100			14.0
	200			19.0
	400			28.0
	700			37.0
	900			42.5
	1000			46.0

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Nom. Power Rating:

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Power Rating (W)
Nominal Power Rating	50			380
	100			253
	200			170
	400			113
	700			81
	900			70
	1000			66

Max. Operating Voltage - Other:

Other Voltage	Description
Military Specification	750 V RMS

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
83265-009100	#30 COAX RG-178B/U	100	0.8	WHITE	E
83265-0091000	#30 COAX RG-178B/U	1000	6	WHITE	E Z
83265-009500	#30 COAX RG-178B/U	500	4	WHITE	E Z

E = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LI