

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)

Part Number: 8219 Coax - 50 Ohm Transmission and Computer Cable



DESCRIPTION:

RG-58A/U Type 53.5 ohm coax, 20 AWG stranded (19x32) tin copper, foam polyethylene core, 96% tinned copper braid, I

PHYSICAL CHARACTERISTICS :

CONDUCTOR :

Number of Coax: 1
Total Number of Conductors: 1
RG Type: 58A/U
AWG: 20
Stranding: 19x32
Conductor Diameter: .037 in.
Conductor Material: TC - Tinned Copper

INSULATION :

Insulation Material: FPE - Foam Polyethylene
Insulation Diameter: .114 in.

OUTER SHIELD :

Outer Shield Type: Braid
Outer Shield Material: TC - Tinned Copper
Outer Shield %Coverage: 96 %

OUTER JACKET :

Outer Jacket Material: PVC - Polyvinyl Chloride

OVERALL NOMINAL DIAMETER :

Overall Nominal Diameter: .194 in.

MECHANICAL CHARACTERISTICS :

Operating Temperature Range: -40 ° C To +80 ° C
Temperature Rating: 80 ° C
Bulk Cable Weight: 25 lbs/1000 ft.
Max. Recommended Pulling Tension: 50 lbs.
Min. Bend Radius (Install): 2 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE :

APPLICABLE STANDARDS :

NEC/(UL) Specification: CM
CEC/C(UL) Specification: CM
AWM Specification: Style 1354
PMSHA Specification: SC-182/5

FLAME TEST :

UL Flame Test: 1581 Vertical Tray

SUITABILITY :

Suitability - Indoor:
 Suitability - Outdoor:
 Suitability - Aerial:

Y
 Y, Black jacket only
 Y, Black jacket only - when supported by a messenger wire

PLENUM/NON-PLENUM :

Plenum (Y/N):

N

ELECTRICAL CHARACTERISTICS :

Nom. Characteristic Impedance: **53.5 Ω**
 Nom. Inductance: **0.065 μH/ft**
 Nom. Capacitance Conductor to Shield: **26.5 pF/ft**
 Nominal Velocity of Propagation: **73 %**
 Nominal Delay: **1.39 ns/ft**
 Nom. Conductor DC Resistance @ 20 Deg. C: **8.8 Ω/1000 ft**
 Nominal Outer Shield DC Resistance: **4.1 Ω/1000 ft**
 Nom. Attenuation:

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
Nominal Attenuation	1			0.4
	10			1.3
	50			3.1
	100			4.5
	200			6.6
	400			10.0
	700			14.2
	900			16.6
	1000			18.1

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Max. Operating Voltage - UL:

UL Voltage	Description
300 V RMS	NEC CM
30 V RMS	AWM Style 1354

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8219 0091000	RG58A/U TYPE COAX	1000	28	WHITE	
8219 009U500	RG58A/U TYPE COAX	U500	13.5	WHITE	
8219 0101000	RG58A/U TYPE COAX	1000	28	BLACK	
8219 010500	RG58A/U TYPE COAX	500	14.5	BLACK	
8219 010U1000	RG58A/U TYPE COAX	U1000	28	BLACK	
8219 010U500	RG58A/U TYPE COAX	U500	14	BLACK	