

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: 8216 Coax - 50 Ohm Transmission and Computer Cable



DESCRIPTION:

RG-174/U Type 50 ohm coax, 26 AWG stranded bare copper-covered steel, polyethylene core, 90% tinned copper braid,

PHYSICAL CHARACTERISTICS :

CONDUCTOR :

Number of Coax:	1
Total Number of Conductors:	1
RG Type:	174/U
AWG:	26
Stranding:	7x34
Conductor Diameter:	.019 in.
Conductor Material:	BCCS - Bare Copper Covered Steel

INSULATION :

Insulation Material:	PE - Polyethylene
Insulation Diameter:	.060 in.

OUTER SHIELD :

Outer Shield Type:	Braid
Outer Shield Material:	TC - Tinned Copper
Outer Shield %Coverage:	90 %

OUTER JACKET :

Outer Jacket Material:	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER :

Overall Nominal Diameter:	.110 in.
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MECHANICAL CHARACTERISTICS :

Operating Temperature Range:	-40 ° C To +75 ° C
Temperature Rating:	60 ° C
Bulk Cable Weight:	8.4 lbs/1000 ft.
Max. Recommended Pulling Tension:	21 lbs.
Min. Bend Radius (Install):	1 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE :

APPLICABLE STANDARDS :

AWM Specification:	Style 1354
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PLENUM/NON-PLENUM :

Plenum (Y/N):	N
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ELECTRICAL CHARACTERISTICS :

Nom. Characteristic Impedance:	50 Ω
Nom. Inductance:	0.077 μH/ft
Nom. Capacitance Conductor to Shield:	30.8 pF/ft

Nominal Velocity of Propagation:

66 %

Nominal Delay:

1.54 ns/ft

Nom. Conductor DC Resistance @ 20 Deg. C:

97 Ω /1000 ft

Nominal Outer Shield DC Resistance:

10.7 Ω /1000 ft

Nom. Attenuation:

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
Nominal Attenuation	1			1.9
	10			3.3
	50			5.8
	100			8.4
	200			12.5
	400			19.0
	700			27.0
	900			31.0
	1000			34.0

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Max. Power Rating:

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Power Rating (W)
Maximum Power Rating	1			976
	10			354
	50			197
	100			161
	200			136
	400			120
	700			112
	900			109
	1000			108

Max. Operating Voltage - UL:

30 V RMS

Max. Operating Voltage - Non-UL:

1100 V RMS

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8216 010100	#26 PE BRD PVC	100	1.1	BLACK	
8216 0101000	#26 PE BRD PVC	1000	9	BLACK	G N
8216 010500	#26 PE BRD PVC	500	5	BLACK	