



9248 Coax - Standard Analog Video Cable - 75 Ohm Coax



For more information please
call

1-800-Belden1

See Put-ups and Colors

Description:

18 AWG solid .040" bare copper conductor, gas-injected foam HDPE insulation, Duofoil® and a tinned copper braid shield, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	6/U
AWG	18
Stranding	Solid
Conductor Diameter	.040 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	Gas-injected FHDPE - Foam High Density Polyethylene
Insulation Diameter	.180 in.

OUTER SHIELD:

Outer Shield Material Trade Name	Duofoil®
Outer Shield Type	Tape/Braid

Outer Shield Material :

Layer Number	Trade Name	Type	Material	% Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	60

Outer Shield % Coverage	100 %
-------------------------	-------

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
-----------------------	--------------------------

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.270 in.
--------------------------	----------

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +80°C
-----------------------------	----------------



9248 Coax - Standard Analog Video Cable - 75 Ohm Coax

UL Temperature Rating	80°C (UL AWM Style 1354)
Bulk Cable Weight	30 lbs/1000 ft.
Max. Recommended Pulling Tension	44 lbs.
Min. Bend Radius (Install)	2.75 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
AWM Specification	UL Style 1354 (30 V 80°C)

FLAME TEST:

UL Flame Test	UL1685 UL Loading
---------------	-------------------

SUITABILITY:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	89248 and 82248

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	.106 µH/ft
Nom. Capacitance Conductor to Shield	16.2 pF/ft
Nominal Velocity of Propagation	82 %
Nominal Delay	1.24 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	6.4 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	5.6 Ohms/1000 ft

Minimum Return Loss :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Return Loss (dB)
		5	450	23

Nom. Attenuation :



9248 Coax - Standard Analog Video Cable - 75 Ohm Coax

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.30
	5			.54
	10			.70
	50			1.5
	100			2.0
	200			2.8
	400			4.0
	700			5.3
	900			6.1
	1000			6.5
	1500			8.3

Max. Operating Voltage - UL

30 V RMS (UL AWM Style 1354); 300 V RMS (CM)

NOTES:

Notes

100% sweep tested. 5 MHz to 450 MHz.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9248 0101000	#18 PE/GIFHDPE SH FRPVC	1000	33	BLACK	C
9248 0101640	#18 PE/GIFHDPE SH CORE	1640	55.76	BLACK	C
9248 0103280	#18 PE/GIFHDPE SH FRPVC	3280	108.24	BLACK	C
9248 010500	#18 PE/GIFHDPE SH FRPVC	500	18	BLACK	C
9248 010U1000	#18 PE/GIFHDPE SH FRPVC	U1000	33	BLACK	
9248 010U500	#18 PE/GIFHDPE SH FRPVC	U500	17	BLACK	

C = CRATE REEL PUT-UP.

Revision Number: 1

Revision Date: 02-16-2005

© 2003 Belden Wire & Cable Company
All Rights Reserved.

Although Belden Electronics Division ("Belden") makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.