

Cableados y Conexiones S.L.

CABLE VIDEO UHD 12G

CABLE HD BNC (MICRO BNC) PLUG to BNC JACK 12G Cable Belden 1855ENH 228mm GREEN

Ref. 90-67A10D-73A-SI-20



Connector HD BNC (MICRO BNC)
Male



Connector BNC
Female



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Parts that make up this cable assembly.



Part Number: 1855ENH

COAX MINI RG59/U LSZH DIGITAL VIDEO

Product Description

COAX [0.6/2.8] MINI RG59/U LSZH CLASSICS PRO

Technical Specifications

Product Overview

Environmental Space:	Indoor - Euroclass Dca
Suitable Applications:	Low loss HDTV/SDI Digital coax used in critical analog and digital video circuits and high quality applications such as live broadcast in network studios and pre- or post-production facilities; Cable is suitable for indoor and outdoor use

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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	Nominal Diameter	Diameter +/- Tolerance	No. of Coax
	22	Solid	BC - Bare Copper	0.65 mm	0.02 mm	1

Conductor Count: 1

Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	FPE - Foamed Polyethylene	2.9 mm	0.15 mm

Outer Shield Material

Type	Layer	Material	Coverage [%]	Min. Overlap	Nominal Diameter	Coverage +/- Tolerance
Tape	1	Aluminum/Polyester/Aluminum		2 mm		
Braid	2	TC - Tinned Copper	90 %		3.45 mm	5 %

Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH / FRNC	4.45 mm	0.2 mm

OuterJacket1, Table Note: According to EN 50290-2-20

Electrical Characteristics

Conductor DCR

Max. Conductor DCR	Max. Shield DCR
55 Ohm/km	17 Ohm/km

Capacitance

Nom. Capacitance	Capacitance Tolerance
53 pF/m	2 pF/m

Impedance

Nominal Characteristic Impedance	Nominal Characteristic Tolerance
75 Ohm	3 Ohm

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High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	1.7 dB/100m
3.6 MHz	2.5 dB/100m
5 MHz	2.8 dB/100m
6 MHz	3 dB/100m
7 MHz	3.2 dB/100m
10 MHz	3.7 dB/100m
12 MHz	4 dB/100m
25 MHz	5.4 dB/100m
67.5 MHz	8.3 dB/100m
71.5 MHz	8.6 dB/100m
88.5 MHz	9.5 dB/100m
100 MHz	10 dB/100m
135 MHz	11.5 dB/100m
143 MHz	11.9 dB/100m
180 MHz	13.2 dB/100m
270 MHz	16.1 dB/100m
360 MHz	18.6 dB/100m
540 MHz	22.8 dB/100m
720 MHz	26.4 dB/100m
750 MHz	26.9 dB/100m
1000 MHz	31.3 dB/100m
1500 MHz	38.7 dB/100m
2000 MHz	45 dB/100m
2250 MHz	48 dB/100m
2500 MHz	50.8 dB/100m
3000 MHz	56.1 dB/100m
4000 MHz	65.7 dB/100m
4500 MHz	70.2 dB/100m

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]	Velocity of Propagation Tolerance
400 ns/ft	84 %	2 %

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High Freq

Frequency [MHz]	Min. RL (Return Loss) [dB]
5 - 1600 MHz	23 dB
1600 - 4500 MHz	21 dB

Screening

Frequency [MHz]	Min. Screening Attenuation After Flexing
30 - 1000 MHz	85 dB
1000 - 2000 MHz	85 dB
2000 - 3000 MHz	85 dB
3000 - 4500 MHz	80 dB

Screening Class:	B
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Transfer Impedance

Frequency [MHz]	Transfer Impedance
5-30 MHz	Max. 15 mOhm/m

Voltage

Voltage Rating [V]
50 V AC
75 V DC

Temperature Range

Installation Temp Range:	-5°C To +50°C
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Storage Temp Range:	-30°C To +70°C
Operating Temp Range:	-30°C To +70°C

Mechanical Characteristics

Max Recommended Pulling Tension:	160 N
Min Bend Radius (W/o Pulling Strength):	45 mm

Standards

CPR Euroclass:	Dca-s1,d1,a1
CENELEC Compliance:	EN 50117-1 and EN 50290-2-20
RG Type:	Mini 59/U Type

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Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01
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Flammability, LS0H, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2 and IEC 60332-3-24
Other Flammability:	CEI 20-35/1
LOI of Jacket:	Min. 35 %
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero

Part Number

Variants

Item #	Color	Length
1855ENH.001000	Green	1,000 m
1855ENH.002000	Green	2,000 m
1855ENH.00500	Green	500 m
1855ENH.10100	Green	100 m
1855ENH.004200	Green	4,200 m
1855ENH.004444	Green	1,000 m
1855ENH.009999	Green	499 m
1855ENH.005000	Green	5,000 m



PRODUCT DATASHEET

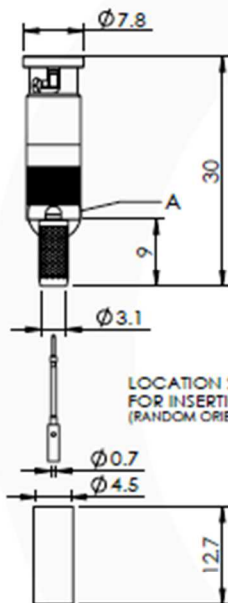
MICRO BNC STRAIGHT CRIMP / CRIMP PLUG

67-005-B66-EF1



12G-**SDi**
12.0Gb/s

Images for illustration purposes only



LOCATION SLOT
FOR INSERTION TOOL
(RANDOM ORIENTATION)

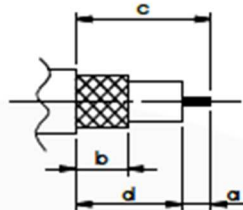


DETAIL A
SCALE 2.4:1

Suitable for Cables:

(EF) Belden 1855A

Stripping Dimensions



a = 4.0 mm
b = 8.0 mm
c = 16.0 mm
d = 12.0 mm

* CUT FOIL TO DIM. "b"

Assembly Procedure: AP001

Tooling

Centre Contact: SQ 0.042 inch or 1.07mm A/F Tool No: 96-HTS-77

Crimp Sleeve: Hex 0.178 inch or 4.52mm A/F Tool No: 96-HTS-77

Alignment Tool: Not Applicable Extraction: 96-1132

Environmental Specification

Operating Temp: -55 to +155 Deg C.

IP Rating (Mated): IP 64

Electrical Specification

Impedance: 75 Ohm

Frequency: 0-12 GHz

Dielectric W/V: 1000 Veff

Insulation res: 10000 M-Ohm

Mechanical Specification

Contact Retention: 10 N min

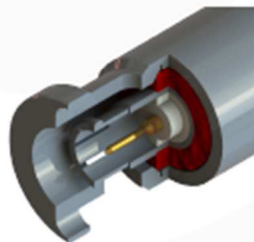
Cable Retention: 150 N min

Mating cycles: 500

Weight: 5.10 g

Connector Interface

Image for illustration purposes only



7	SPRING	SS	N/A
6	COUPLING NUT	BRASS	NICKEL
5	GASKET	SILICONE	N/A
4	CRIMP SLEEVE	BRASS	NICKEL
3	INSULATOR	PTFE	N/A
2	CENTRE CONTACT	BeCu	GOLD
1	BODY	BRASS	NICKEL
ITEM	DESCRIPTION	MATERIAL	PLATING

A4	SHEET 1 OF 1	 RoHS 2002/95/EC	DIMENSIONS ARE IN MILLIMETRES		
REVISION :	A07		NAME	SIGNATURE	DATE
DRAWN			GE		16/04/2012
ISSUE :	1		CHK'D	IG	16/04/2012
6-8 COLNE ROAD, TWICKENHAM, MIDDLESEX. TW1 4JR			APPV'D		
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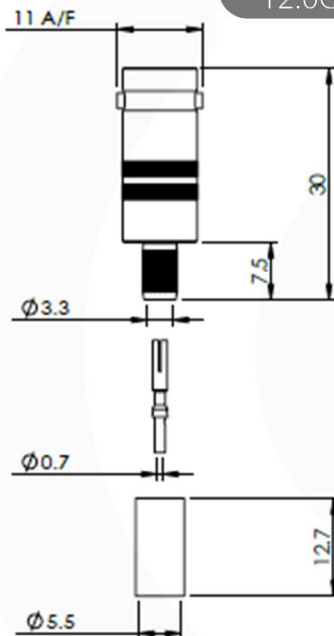
PRODUCT DATASHEET

BNC STRAIGHT CRIMP/CRIMP JACK 10-054-D126-FA



Images for illustration purposes only

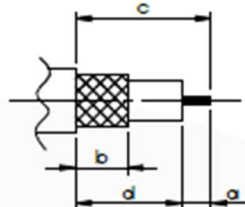
12G-**SDi**
12.0Gb/s



Suitable for Cables:

(FA) Belden 1855ENH, Draka0.6/2.8AF, Bryant BDSD01, Image360, Conduclif 9890, Percon VK5

Stripping Dimensions



a = 4.0 mm
b = 8.0 mm
c = 16.0 mm
d = 12.0 mm

* CUT FOIL TO DIM. "b"

Assembly Procedure: AP001

Tooling

Centre Contact: SQ 1.07mm A/F Tool No: 96-HTS-75A

Crimp Sleeve: Hex 5.41mm A/F Tool No: 96-HTS-75

Alignment Tool:

Extraction:

Environmental Specification

Operating Temp: -55 to +155 Deg C.

IP Rating (Mated): IP 64

Electrical Specification

Impedance: 75 Ohm

Frequency: 0-12 GHz

Dielectric W/V: 1500 Veff

Insulation res: 5000 M-Ohm

Mechanical Specification

Contact Retention: 10 N min

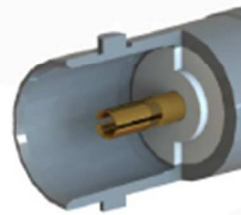
Cable Retention: 150 N min

Mating cycles: 500

Weight: 8.93 g

Connector Interface

Image for illustration purposes only



Performance

-21.61 dB @ 3.0 GHz

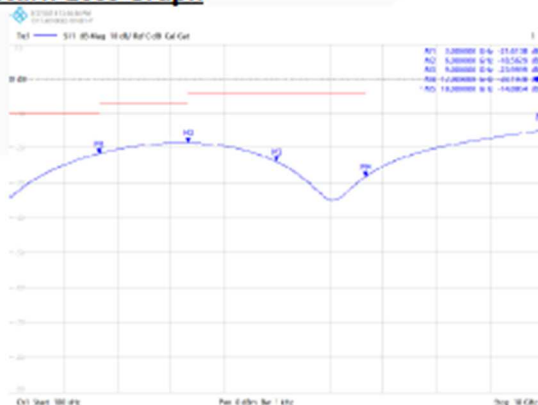
-18.56 dB @ 6.0 GHz

-24.00 dB @ 9.0 GHz

-28.19 dB @ 12.0 GHz

-14.89 dB @ 18.0 GHz

Return Loss Graph



5	CRIMP SLEEVE	BRASS	NICKEL
4	REAR BODY	BRASS	NICKEL
3	CENTRE CONTACT	PHOSPHOR BRONZE	GOLD
2	INSULATOR	PTFE	N/A
1	BODY	BRASS	GOLD
ITEM	DESCRIPTION	MATERIAL	PLATING
A4	SHEET 1 OF 1	DIMENSIONS ARE IN MILLIMETRES	
REVISION: B03		NAME	SIGNATURE
ISSUE: 4		DATE	
6-8 COLNE ROAD, TWICKENHAM, MIDDLESEX. TW1 4JR		DRAWN	L.G.
		CHK'D	G.E.
		APP'D	
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