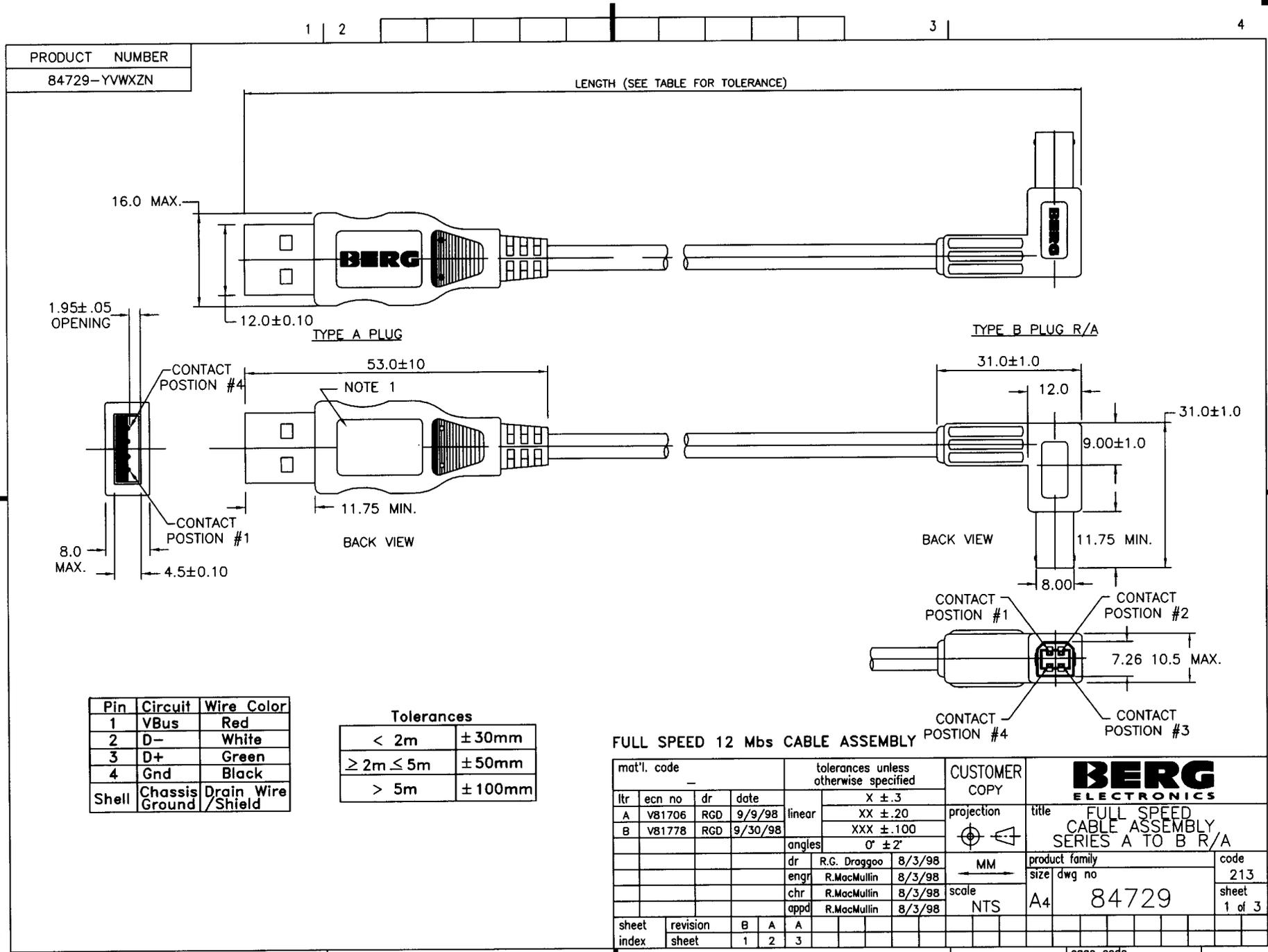


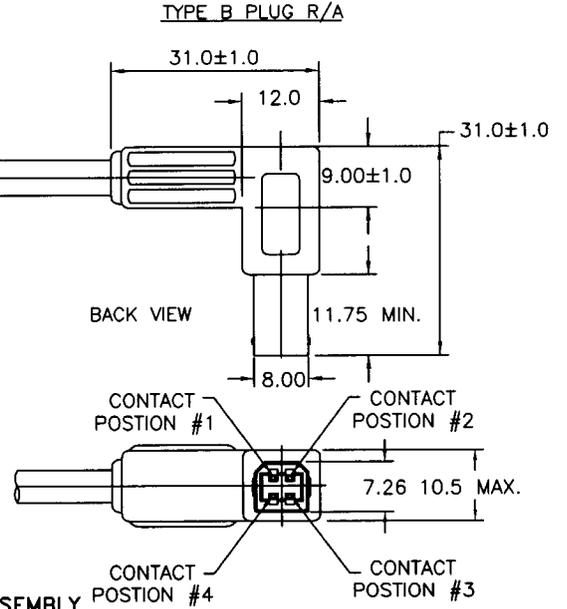
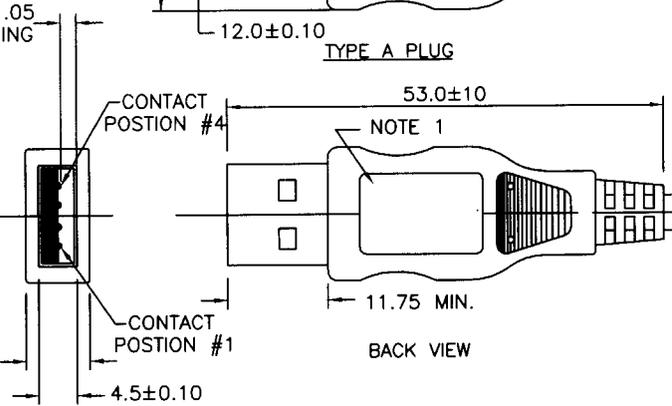
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PRODUCT NUMBER
84729-YVWXZN

LENGTH (SEE TABLE FOR TOLERANCE)



Pin	Circuit	Wire Color
1	VBus	Red
2	D-	White
3	D+	Green
4	Gnd	Black
Shell	Chassis Ground	Drain Wire / Shield

Tolerances	
< 2m	± 30mm
≥ 2m ≤ 5m	± 50mm
> 5m	± 100mm

FULL SPEED 12 Mbs CABLE ASSEMBLY

mat'l. code		tolerances unless otherwise specified		CUSTOMER COPY		BERG ELECTRONICS	
ltr	ecn no	dr	date	linear	X ± .3	projection	title
A	V81706	RGD	9/9/98	linear	XX ± .20		FULL SPEED CABLE ASSEMBLY SERIES A TO B R/A
B	V81778	RGD	9/30/98	angles	XXX ± .100		
				dr	R.G. Draggoo 8/3/98	MM	product family
				enrg	R.MacMullin 8/3/98	scale	size dwg no
				chr	R.MacMullin 8/3/98	NTS	A4
				appd	R.MacMullin 8/3/98		84729
sheet index	revision sheet	B	A	A			code
		1	2	3			213
							sheet
							1 of 3
							cage code
							22526

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PRODUCT NUMBER

84729-YVWXZN

84729-YVWXZN

Plating Option

Power Conductor Gauge Option (Dash Number)

Length Specification

Color Option

Y Color: Jacket and Overmolding

B Black

W White

VWX, Length specification (Note: See the power conductor gauge requirements for specific lengths Z Table).

V Length in Meters

W Length in 1/10 Meters

X Length in 1/100 of Meters

Example a length of 1.85 meters, VWX would be 185

N Plating Option (Mating Area)

A 15 Micro Inches Gold (NOTE 1)

B Gold Flash (NOTE 1)

Z- Power Conductor Wire Gauge Table Option

Dash No.	A	B	C	D	E
Conductor	28	26	24	22	20
Resistance	0.232 Ohm/m	0.145 Ohm/m	0.091 Ohm/m	0.057 Ohm/m	0.036 Ohm/m
Length					
0 Thru 0.81m	✓	✓	✓	✓	✓
0.82 Thru 1.31m		✓	✓	✓	✓
1.32 Thru 2.08m			✓	✓	✓
2.09 Thru 3.33m				✓	✓
3.34 Thru 5.00m					✓

Plug & Cable Construction and Performance Specification

Cable Assembly Performance

Cable Pull Out-40 Newtons (8.99 Pounds)

Signal Attenuation		Signal Attenuation	
Frequency (MHz)	Attenuation (maximum) dB/cable	Frequency (MHz)	Attenuation (maximum) dB/cable
0.064	0.08	4.000	0.39
0.256	0.11	8.000	0.57
0.512	0.13	12.000	0.67
0.772	0.15	24.000	0.95
1.000	0.20	48.000	1.35
		96.000	1.9

Plug Performance

Voltage Rating

30 Vac (rms)

Current Rating

1 Amp

Temperature Rating

Storage Temperature

-40°C to 60°C

Operating Temperature

0°C to 40°C

Durability

1500 Cycles

Insulation Resistance

1000 Mohms

Dielectric Withstanding Voltage

500 Vac

Insertion Force

35 Newtons (7.9 Pounds) Maximum

Withdrawal Force

10 Newtons (2.3 Pounds) Minimum

35 Newtons (7.9 Pounds) Maximum

Electric Test:

-100% Continuity

mat'l. code		tolerances unless otherwise specified		CUSTOMER COPY		BERG ELECTRONICS	
ltr	ecn no	dr	date	linear	projection	title	FULL SPEED CABLE ASSEMBLY SERIES A TO B R/A
A				angles		product family	code 213
				dr	R.G. Draggoo 8/3/98	size	dwg no
				engr	R.MacMullin 8/3/98	scale	A4
				chr	R.MacMullin 8/3/98	NTS	84729
				appd	R.MacMullin 8/3/98		sheet 2 of
sheet index	revision sheet						

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form no. 7530-001-103

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PDM: Rev:B

STATUS: Released

Printed: Sep 23, 2004

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PRODUCT NUMBER
84729-YVWXZN

Cable/Plug Over mold
Bulk Cable Construction Materials

Signal Conductors, Copper, Twisted Pair 28 AWG Stranded Tinned (7x0.127)
 Power Conductors, Copper 28 AWG Stranded Tinned (7x0.127)
 26 AWG Stranded Tinned (7x0.163)
 24 AWG Stranded Tinned (7x0.203)
 22 AWG Stranded Tinned (7x0.254)
 20 AWG Stranded Tinned (10x0.254)
 Wrap (Full Speed Only) Aluminum/Mylar, 25' Minimum
 Aluminum exterior
 Braid, Copper (Full Speed Only) Interwoven Tinned 65' Minimum
 Coverage
 Power Conductor Insulators Semirigid-Polyvinyl Chloride, Red and Black
 Outer Jacket Polyvinyl Chloride
 Signal Conductor Insulators Foamed Polyethylene, Green and White

High Density Polyvinyl Chloride

Plug and Cable Assembly Materials
Plastic Housing

Terminals
 Shields

High Temperature Thermoplastic
 Oxygen Index (LOI) > 21% UL 94V-0 RATING
 High Strength Copper Alloy (Phosphor Bronze)
 High Strength Copper Alloy (Phosphor Bronze)

Plating Terminals

Underplate: 1.25 Micro Meters
 (50 Micro Inches) Nickel Minimum
-A Mating Area: Gold
 0.40 Micro Meters (15 Micro Inches)
-B Mating Area: Gold
 Gold Flash
Tail Area: 2.54 Micro Meters
 (100 Micro Inches) Tin Lead

Plating Shell

Underplate: 1.25 Micro Meters
 (50 Micro Inches) Nickel Minimum
Overall: 2.5 Micro Meters
 (100 Micro Inches) Bright Tin Minimum

NOTES:

- ① Plating Specification Does Not Comply With USB Specification And Cannot Be Sold As A USB Product.
2. Product Will Not Contain USB Logo.

mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY		BERG ELECTRONICS	
ltr	ecn no	dr	date	linear	projection		title		FULL SPEED CABLE ASSEMBLY SERIES A TO B R/A	
A										
				angles	MM		product family		code	
				dr	R.G.Draggoo	8/3/98	size		213	
				enrg	R.MacMullin	8/3/98	scale		sheet	
				chr	R.MacMullin	8/3/98	A4		3 of	
				appd	R.MacMullin	8/3/98	84729			
sheet index	revision sheet									

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