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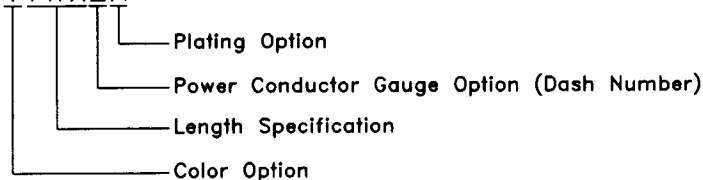
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PRODUCT NUMBER
 72378-YVWXZN

72378-YVWXZN



Y Color: Jacket and Overmolding Option

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)

C 30 Micro Inches GXT
 D 30 Micro Inches Gold

Z- Power Conductor Wire Gauge Table

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

Plug & Cable Construction and Performance Specification

Cable Assembly Performance

Cable Pull Out-40 Newtons (8.99 Pounds)

Signal Attenuation Frequency (MHz)	Attenuation (maximum) dB/cable	Signal Attenuation 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	ecr no	dr	date	linear				projection 	title FULL SPEED USB CABLE ASSEMBLY SERIES A TO SERIES A					
D									product family USB					
									size dwg no					
				angles				MM ↔ scale NTS	A4	72378	code 213			
				dr	R.G. Draggoo	6/15/98	sheet index				revision sheet			
				enrg	R.MacMullin	6/15/98								
				chr	R.MacMullin	6/15/98								
				appd	R.MacMullin	6/15/98								
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72378	YVWXZN

Cable/Plug Over mold
Bulk Cable Construction Materials

High Density Polyvinyl Chloride

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
Braid, Copper (Full Speed Only)	Aluminum exterior
Power Conductor Insulators	Interwoven Tinned 65' Minimum
	Coverage
Outer Jacket	Semirigid-Polyvinyl Chloride, Red and Black
Signal Conductor Insulators	Polyvinyl Chloride
	Foamed Polyethylene, Green and White

Plug and Cable Assembly Materials
Plastic Housing

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

Terminals
Shields

Plating Terminals

Underplate: 1.25 Micro Meters
(50 Micro Inches) Nickel Minimum
-C Mating Area: 30 GXT
.05 Micro Meters (2 Micro Inches) of Gold
Minimum Over 0.70 Micro Meters
(30 Micro Inches) of Palladium Nickel
Minimum]
-D Mating Area: 30 Gold
0.70 Micro Meters Gold (30 Micro Inches)
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. Product Compliant With USB Specification.

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ltr	ecn no	dr	date	linear	.X±0.20	projection		title	
D					.XX±0.10			FULL SPEED	
				angles	.XXX±0.050			USB CABLE ASSEMBLY	
				dr	R.G.Draggao 6/15/98	MM		product family USB	
				enrg	R.MacMullin 6/15/98	scale		size	
				chr	R.MacMullin 6/15/98	NTS		A4	
				appd	R.MacMullin 6/15/98			72378	
sheet index	revision							code	
	sheet							213	
								sheet 3 of	
								cage code	
								22526	