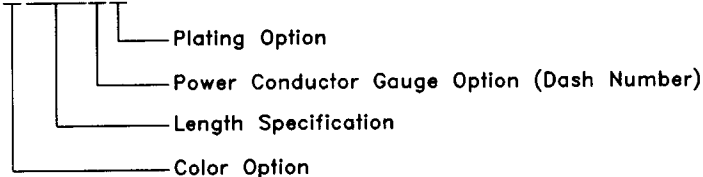


PRODUCT NUMBER
 84729-YVWXZN

84729-YVWXZN



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 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 | | |
| A | | | | angles | | | | | FULL SPEED CABLE ASSEMBLY SERIES A TO B R/A | | |
| | | | | dr | R.G. Draggoo | 8/3/98 | | | product family | code | |
| | | | | enrg | R.MacMullin | 8/3/98 | | | size | dwg no | 213 |
| | | | | chr | R.MacMullin | 8/3/98 | | scale | | | sheet |
| | | | | appd | R.MacMullin | 8/3/98 | | NTS | A4 | 84729 | 2 of |
| sheet index | revision | sheet | | | | | | | | | |
| | | | | | | | | | | | |

| PRODUCT | NUMBER |
|--------------|--------|
| 84729-YVWXZN | |

Cable/Plug Over mold
Bulk Cable Construction Materials

Signal Conductors, Copper, Twisted Pair
 Power Conductors, Copper

Wrap (Full Speed Only)

Braid, Copper (Full Speed Only)

Power Conductor Insulators

Outer Jacket
 Signal Conductor Insulators

Plug and Cable Assembly Materials
Plastic Housing

Terminals

Shields

Plating Terminals

Plating Shell

High Density Polyvinyl Chloride

28 AWG Stranded Tinned (7x0.127)
 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)
 Aluminum/Mylar, 25' Minimum
 Aluminum exterior
 Interwoven Tinned 65' Minimum
 Coverage
 Semirigid-Polyvinyl Chloride, Red and Black
 Polyvinyl Chloride
 Foamed Polyethylene, Green and White

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

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

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 | ecr | no | dr | date | linear | angles | projection | title | product family | code | |
| A | | | | | | | | FULL SPEED CABLE ASSEMBLY SERIES A TO B R/A | | 213 | |
| | | | | | dr | R.G.Draggou | 8/3/98 | MM | size | dwg no | sheet |
| | | | | | engr | R.MacMullin | 8/3/98 | NTS | A4 | 84729 | 3 of |
| | | | | | chr | R.MacMullin | 8/3/98 | | | | |
| | | | | | appd | R.MacMullin | 8/3/98 | | | | |
| sheet | revision | | | | | | | | | | |
| index | sheet | | | | | | | | | | |

cage code
 22526