



CONSTRUCTION				ELECTRICAL CHARACTERISTICS																														
ITEM		SPECIFICATION																																
CONDUCTOR	AWG	28 AWG	24 AWG	1. RATING: TEMP. 80°C VOLTAGE: 30V																														
	MATERIAL	TINNED COPPER	TINNED COPPER	2. CONDUCTOR RESISTANCE: AT 20°C MAX 28AWG: 232Ω/km 24AWG: 90.9Ω/km																														
	COND. SIZE	7/0.127mm±0.008mm	7/0.20mm±0.008mm	3. CABLE DELAY: FULL HIGH/HIGH SPEED(MAX): 26ns LOW SPEED(MAX): 18ns																														
INSULATION	MIN. AVG. THICK	0.25mm	0.23mm	4. CABLE SKEW: 100ps																														
	MATERIAL	HD-PE	SR-PVC	5. IMPEDANCE: 90±15%Ω																														
	O.D.	.90±0.05mm	1.10±0.05mm	6. ATTENUATION(FULL/HIGH-SPEED ONLY):																														
	N.O.	1P	2C	<table border="1"> <thead> <tr> <th colspan="2">NEXT (dB)</th> </tr> <tr> <th>FREQUENCY</th> <th>ATTENUATION (dB)</th> </tr> </thead> <tbody> <tr><td>0.064MHz</td><td>0.08</td></tr> <tr><td>0.256MHz</td><td>0.11</td></tr> <tr><td>0.512MHz</td><td>0.13</td></tr> <tr><td>0.772MHz</td><td>0.15</td></tr> <tr><td>1MHz</td><td>0.20</td></tr> <tr><td>4MHz</td><td>0.39</td></tr> <tr><td>8MHz</td><td>0.57</td></tr> <tr><td>12MHz</td><td>0.76</td></tr> <tr><td>24MHz</td><td>0.95</td></tr> <tr><td>48MHz</td><td>1.35</td></tr> <tr><td>96MHz</td><td>1.90</td></tr> <tr><td>200MHz</td><td>3.20</td></tr> <tr><td>400MHz</td><td>5.80</td></tr> </tbody> </table>		NEXT (dB)		FREQUENCY	ATTENUATION (dB)	0.064MHz	0.08	0.256MHz	0.11	0.512MHz	0.13	0.772MHz	0.15	1MHz	0.20	4MHz	0.39	8MHz	0.57	12MHz	0.76	24MHz	0.95	48MHz	1.35	96MHz	1.90	200MHz	3.20	400MHz
NEXT (dB)																																		
FREQUENCY	ATTENUATION (dB)																																	
0.064MHz	0.08																																	
0.256MHz	0.11																																	
0.512MHz	0.13																																	
0.772MHz	0.15																																	
1MHz	0.20																																	
4MHz	0.39																																	
8MHz	0.57																																	
12MHz	0.76																																	
24MHz	0.95																																	
48MHz	1.35																																	
96MHz	1.90																																	
200MHz	3.20																																	
400MHz	5.80																																	
FACE OUTSIDE AL. MYLAR	COVERAGE	100%																																
	OVERLAP	25% MIN.																																
DRAIN	AWG	28 AWG																																
	MATERIAL	TINNED COPPER																																
	SIZE	7/0.127mm ±0.008																																
BRAID	MATERIAL	TINNED COPPER																																
	SIZE	16X 5/0.10±0.008mm																																
JACKET	MIN. ACG. THICK	0.80mm		7. COMMON MODE IMPEDANCE: 30±%																														
	MATERIAL	HALF MATT PVC		8. Vbus VOLTAGE DROP AND GND VOLTAGE DROP (MAX): 125MV																														
	COLOR	BEIGE																																
	O.D.	4.7 ±0.15mm																																

CONDUCTOR (24AWG)

COLOR CODE
1. RED
2. BLACK

PAIR (28AWG)

COLOR CODE
1. GREEN
2. WHITE

SHAXON SHAXON INDUSTRIES
4950 EAST HUNTER AVE.
ANAHEIM, CA. 92807

DESCRIPTION: USB2.0 BULK CABLE, 28 AWG/1PR, 24 AWG/2C, BEIGE	CHK:	APRVD:	REV.: A	DWG BY: A. MEDINA
COLOR: SEE TABLE	THIS DRAWING IS THE EXCLUSIVE PROPERTY OF SHAXON INDUSTRIES, INC. ITS ACCEPTANCE CONSTITUTES AN AGREEMENT THAT SHOULD BE TREATED AS A STRICTLY CONFIDENTIAL DOCUMENT TO BE USED FOR NO OTHER PURPOSE THAN TO AID IN THE ASSEMBLY OR OPERATION OF UNITS FURNISHED BY OR FOR SHAXON IND. INC. OR OTHERWISE AS EXPRESSLY AUTHORIZED IN WRITING BY SHAXON IND. INC. THAT IT IS RETURNED UPON REQUEST AND IS NOT TO BE COMMUNICATED, DISCLOSED OR COPIED EXCEPT AS EXPRESSLY AUTHORIZED IN WRITING BY SHAXON INDUSTRIES INC. AutoCAD Release 12 c1a, Serial #: 110-10626948			DATE: 06/02/2006
MATERIAL: SEE TABLE				DO NOT SCALE
DWG NO. D.S. 2286				PART NO.: PMUSB20BG