Product Specification 22-9245.011



Cross Section Jacket Paper tape Braid Pair A AL-Mylar Drain wire Marking BELDEN 1PR24 1PR24 SHIELDED USB2.0 ROHS

Description				
Rating Voltage (V)		30		
Rating Temperature (°C)	operating temperature	-40~70		
	storage temperature	-55~85		

Application

Plug and play technology

Single connector for all devices that previously used serial, keyboard, mouse and game ports, Standard feature in new PC support

Reference Standard

Per request

Construction				
Conductor	Stranded Tin	ned Copper		
4Cores	A(1P)	B(2C)		
AWG	24	24		
Structure(mm)	7/0.20	7/0.20		
Conductor Dia.(mm)	0.60	0.60		
Insulation	PE	PE		
Min Thickness(mm)	0.28	0.18		
Normal Thickness (mm)	0.35	0.25		
Insulation Dia (±0.08mm)	1.35	1.10		
Twisting				
Direction	S	S		
Cabling(1P+2C)	A+			
Direction	S			
AL-Mylar wraps(overlapping,%)	≥25	5%		
Drain wire	7/0.20mm Strande	d Tinned Copper		
Braid	Tinned	Copper		
Coverage(%)	≥80	0%		
Paper tape wraps(overlapping,%)	≥25	5%		
Jacket	PU	J		
Min Thickness(mm)	0.4	-0		
Normal Thickness(mm)	0.5	0.50		
Diameter (±0.2mm)	5.5	5.50		

Insulation

Pair A: Green*White Pair B:Black*Red

Jacket

Per request

BV-3716-0835

Performance Performance					
Electrical Charactistics(20°C)					
Max Conductor DC Resistance (Ω/km)			A.B:94.2		
Min Insulation DC Resistance(M Ω .km)			100		
Dielectric Withstand AC (kV/1min.)			0.5		
Character Impedance 20°C (Ω)		pair A	90±13.5		
Propagation Delay (ns/m)		pair A	<=5.2		
Delay (ps/cable)		pair A	<=100		
Attenuation Characteristics:	pair A				
Frequency	Attenuation	Frequency	Attenuation		
MHz	dB/cable(Max.)	MHz	dB/cable(Max.)		
0.512	0.13	48	1.35		
0.772	0.15	96	1.90		
1	0.20	200	3.20		
4	0.39	400	5.80		
8	0.57				
12	0.76				
24	0.95				

Color

	Sample Record
Sample No. :	

Original spec no.: SZ-BV-6263 Rev.: 0 Ref. spec No.: SK-BV-3716 Rev.: 1

Revision History

 Prepared by:
 MYQ
 2015/7/10
 Table No.:T100
 Rev.: 0

 Approved by:
 CICICHENG
 2015/7/10
 Page 1 of 1

© 2016 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale.