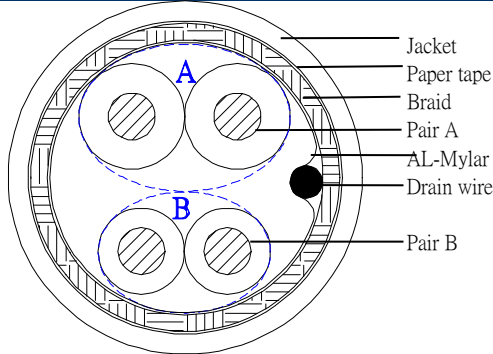


Part No.:BV-3716

USB 2.0

Cross Section



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

<b>Conductor</b>	<b>Stranded Tinned Copper</b>	
<b>4Cores</b>	<b>A(1P)</b>	<b>B(2C)</b>
AWG	24	24
Structure(mm)	7/0.20	7/0.20
Conductor Dia.(mm)	0.60	0.60
<b>Insulation</b>	<b>PE</b>	<b>PE</b>
Min Thickness(mm)	0.28	0.18
Normal Thickness (mm)	0.35	0.25
Insulation Dia (±0.08mm)	1.35	1.10
<b>Twisting</b>		
Direction	S	S
<b>Cabling(1P+2C)</b>	<b>A+B</b>	
Direction	S	
<b>AL-Mylar wraps(overlapping,%)</b>	≥ 25%	
Drain wire	7/0.20mm Stranded Tinned Copper	
<b>Braid</b>	<b>Tinned Copper</b>	
Coverage(%)	≥ 80%	
<b>Paper tape wraps(overlapping,%)</b>	≥ 25%	
<b>Jacket</b>	<b>PU</b>	
Min Thickness(mm)	0.40	
Normal Thickness(mm)	0.50	
Diameter (±0.2mm)	5.50	

Color

Insulation

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

Jacket

Per request

BV-3716-0835

Performance

Electrical Characteristics(20°C)

Max Conductor DC Resistance (Ω/km)		A,B:94.2	
Min Insulation DC Resistance(MΩ.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	
<b>Attenuation Characteristics:</b>			
	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		

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