



USB
3.0

USB 3.0 is the next major revision to the Universal Serial Bus standard. This new revision promises higher data transfer rates (up to 4.8Gbps) with increased maximum bus power and is backwards compatible to USB 2.0.

PART NUMBER REFERENCE



Select Connector Type: End "1"

- Type A, Friction Fit = 1
- Type A, w/Thumbscrews = 1B
- Straight MICRO-B Exit with Thumbscrews = 2
- MICRO-B R/A **UP** w/Recessed Screws = 3
- MICRO-B R/A **DOWN** w/Recessed Screws = 4
- MICRO-B Exit Right w/Recessed Screws = 5
- MICRO-B Exit Left w/Recessed Screws = 6
- Type A with Thumbscrews = 7
- Type B with Thumbscrews = 8
- Type B Friction Fit = 9
- Type A Receptacle Friction Fit = 10
- Type A Receptacle w/Threaded Inserts = 11
- Type B /w/Threaded Inserts = 12

Select Cable Type:

- Static (*Up to 5m) = 1
- Robotic (*Up to 5m) = 2
- Extended Distance (*Up to 7m) = 3
- Chain Flex (*Up to 5m) = 4

Select Connector Type: End "2"

- Type A, Friction Fit = 1
- Type A, w/Thumbscrews = 1B
- Straight MICRO-B Exit with Thumbscrews = 2
- MICRO-B R/A **UP** w/Recessed Screws = 3
- MICRO-B R/A **DOWN** w/Recessed Screws = 4
- MICRO-B Exit Right w/Recessed Screws = 5
- MICRO-B Exit Left w/Recessed Screws = 6
- Type A with Thumbscrews = 7
- Type B with Thumbscrews = 8
- Type B Friction Fit = 9
- Type A Receptacle Friction Fit = 10
- Type A Receptacle w/Threaded Inserts = 11
- Type B /w/Threaded Inserts = 12

*Length in Meters:

Temp: 9-29-20

CONNECTOR TYPE OPTIONS:

Additional Dimensional Information:

For additional information regarding the physical dimensions of our connector profiles, please visit our Web-Site: www.ComponentsExpress.com or ask one of our sales associates and we will be happy to assist.



1
Type A
Friction Fit



1B
Type A
W/Thumbscrew



2
Type A
W/Thumbscrews



3
Micro B, Straight
W/Thumbscrews



4
Micro B, R/A Up
W/Recessed Screws



5
Micro B, R/A Down
W/Recessed Screws



6
Micro B, Exit Right
W/Recessed Screws



7
Micro B, Exit Left
W/Recessed Screws



8
Type B
W/Thumbscrews



9
Type B
Friction Fit



10
Type A Receptacle
Friction Fit



11
Type A Receptacle
w/Threaded Inserts



12
Type B Receptacle
w/Threaded Inserts

USB 3.0 & USB 3.1 Type #: 1

SPEC No.:	(7/0.127TA*1PR+EAM)*2+(7/0.127TA*1PR+A)+7/0.16TA*2C+AB 85% USB 3.0						
Customer		Customer NO.		8 Code:	0	Sample NO.:	Y161015007
UL File NO.	E101344	UL Style:	UL 2725	Date:	10/21/16	Spec NO.:	0
CSA File NO.		CSA Style:		Edition:	Original edition	Operation NO.:	
Structure		Structure A		Structure B		Structure C	
Conductors	Structure AWG	AWG	28# (7/36)	28# (7/36)		26# (7/34)	
	Material	--	Tinned Copper	Tinned Copper		Tinned Copper	
	O.D.	mm	0.38 Ref	0.38 Ref		0.471 Ref	
Insulation	Material	--	FOAM-SKIN-PE	FOAM-PE		SR-PVC	
	Diameter	mm	0.89±0.07	0.84±0.05		1±0.07	
	Average Thickness	mm	0.255	0.230		0.265	
	Color	--	AS Color Code	AS Color Code		AS Color Code	
Twist	Direction	--	Left (Z)	Left (Z)		--	
	Diameter	mm	1.78 Ref	1.4 Ref		--	
Drain wire	Structure AWG	AWG	28# (7/36)				
	Material	--	Tinned Copper				
Shielding 1	Material	--	AL-foil/mylar	AL-foil/mylar		--	
	Conductive Side	--	Inside	Inside		--	
	Overlap Rate	%	25 MIN	25 Ref		--	
Separator 2	Material	--	Hot-melt-Mylar	--		--	
	Conductive Side	--	--	--		--	
	Overlap Rate	%	25 MIN	--		--	
Layer	Direction	--	Left (Z)				
	Pitch	mm	75 Ref				
	Diameter	mm	3.9 Ref				
Shielding 3	Material	--	--	AL-foil/mylar		--	
	Conductive Side	--	--	Outside		--	
	Overlap Rate	%	--	25 MIN		--	
Shielding 4	Shield	--	Braid				
	Material	--	Tinned Copper				
	Coverage Rate	%	85 MIN				
Jacket	Material	--	PVC				
	Diameter	mm	5.5 ± 0.19				
	Min Thickness	mm	0.50				
	Extrusion	--	Semi substantiate				
	Externals	--	Plane				
	Color	--	Z001 (BLACK)				

USB 3.0 & USB 3.1 Type #: 1

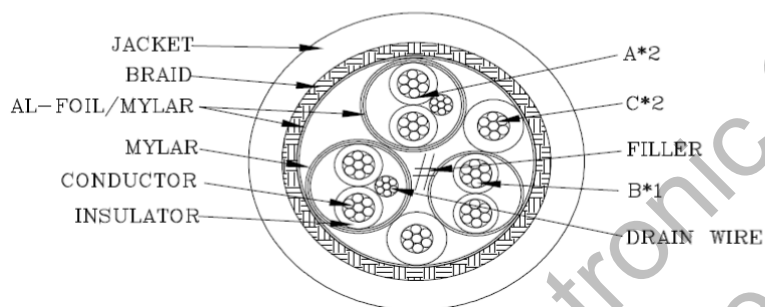
SPEC No.:	(7/0.127TA*1PR+EAM)*2+(7/0.127TA*1PR+A)+7/0.16TA*2C+AB 85% USB 3.0						
Customer		Customer NO.		8 Code:	0	Sample NO.:	Y161015007
UL File NO.	E101344	UL Style:	UL 2725	Date:	10/21/16	Spec NO.:	0
CSA File NO.		CSA Style:		Edition:	Original edition	Operation NO.:	



COMPONENTS EXPRESS, INC.
10330 Argonne Woods Drive, Ste100
Woodridge, IL 60517

Y161015007 (E0894)

Rev. A, 10/26/2016, 8/12/19



COLOR CODE

1. YELLOW*BLUE
2. ORANGE*VIOLET
3. WHITE*GREEN
4. BLACK (P570)
5. RED (P572)



Pg. 2/3

MINIMUM BEND RADIUS: 10X O.D.

USB 3.0 & USB 3.1 Type #: 1

SPEC No.:	(7/0.127TA*1PR+EAM)*2+(7/0.127TA*1PR+A)+7/0.16TA*2C+AB 85% USB 3.0						
Customer		Customer NO.		8 Code:	0	Sample NO.:	Y161015007
UL File NO.	E101344	UL Style:	UL 2725	Date:	10/21/16	Spec NO.:	0
CSA File NO.		CSA Style:		Edition:	Original edition	Operation NO.	

Electric Characters

- 1.Voltage rating :30V
- 2.Temperature rating : 80°C
- 3.Spark test: AC- 500V / 0.15 sec MIN.
4. Dielectric strength : AC- 750V/1sec MIN.
- 5.Insulation resistance :FOAM-SKIN-PE, FOAM-PE: DC- 500V 100 MΩ/KM MIN. at 20°C
SR-PVC:DC-500V 10MΩ/KM MIN. at 20°C
- 6.Conductor resistance : 28AWG-244 Ω/KM MAX. at 25°C
26AWG-153 Ω/KM MAX. at 25°C

Transmission Characters

- 1.Differential impedance: $90 \pm 7 \Omega$ (1PR+EAM)*2
- 2.Attenuation : (1PR+EAM)*2

Frequency (MHz)	100	625	1250	2500	5000	7500
Insertion Loss (MAX) dB/cable	-1.5	-3.1	-5	-7.5	-16.25	-25

- 3.Intra-pair skew:15PS/M
 - 4.Differential to Common Mode Conversion: -20 dB@(2.0m)
 - 5.Conductor resistance unbalance : 5%(1PR:GREEN*WHITE)
 - 6.Attenuation:(1PR:GREEN*WHITE)
- | Frequency(MHz) | 0.512 | 0.772 | 1.00 | 4.00 | 8.00 | 12.0 | 24.0 | 48.0 | 96.0 | 200.0 | 400.0 |
|--------------------------|-------|-------|------|-------|-------|-------|-------|-------|------|-------|-------|
| Attenuation(MAX)dB/cable | 0.130 | 0.150 | 0.20 | 0.390 | 0.570 | 0.760 | 0.950 | 1.350 | 1.90 | 3.20 | 5.80 |
- 7.Impedance(1PR:GREEN*WHITE): $90 \Omega \pm 15\%$ @ TDR (differential)
 - 8.Propagation Delay(1PR:GREEN*WHITE): 5.2ns/M MAX
 - 9.Propagation Delay skew(1PR:GREEN*WHITE): 100PS MAX

Physical Characters

- 1.Flame test of cable:
 - 1.1 VW-1
- 2.Tensile strength test (before aging) :
 - 2.1 Sheath : > 1.05kg/mm²
 - 2.2 Insulation : > 1.12kg/mm²
- 3.Tensile strength test (after aging):
 - 3.1 Sheath: > 70%
 - 3.2 Insulation: > 70%
- 4.Elongation(before aging):
 - 4.1 Sheath : > 100%
 - 4.2 Insulation : > 100%
5. Elongation(after aging):
 - 5.1 Sheath : > 65%
 - 5.2 Insulation : > 70%
- 6.Requirements for green environment protection: Accord with RoHS

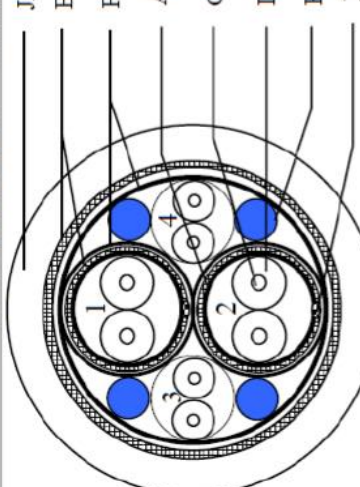


COMPONENTS EXPRESS, INC.
10330 Argonne Woods Drive, Ste100
Woodridge, IL 60517

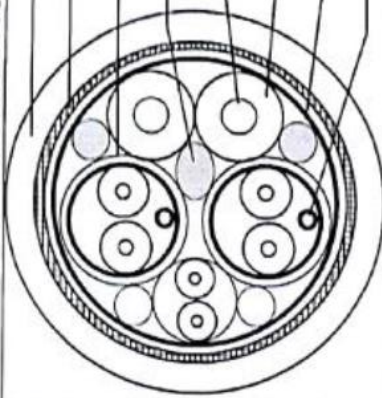
Y161015007 (E0894)

Rev. A, 10/21/2016, 8/12/19

USB 3.0 Cable Type #: 2

SPECIFICATION:		(1P*26#+ADBP)2C+1P*26#+1P*24#+FPB				CONSTRUCTION D.W.G													
ITEM		SPECIFICATION																	
		26AWG	26AWG	26AWG	24AWG														
CONDUCTOR	AWG						JACKET												
	MATERIAL	TINNED COPPER	TINNED COPPER	TINNED COPPER	TINNED COPPER		BRAID COPPER												
	COND.SIZE	19/0.10±0.008 mm	19/0.10±0.008 mm	19/0.10±0.008 mm	41/0.08±0.008 mm		Foamed PP film												
	MIN.AVG.THICK	0.23 mm	0.23 mm	0.23 mm	0.23 mm		AL FOIL												
INSULATION	MATERIAL	FM-PE+SKIN	HD-PE	HD-PE	HD-PE		CONDUCTOR												
	O . D	1.20±0.10 mm	0.90±0.05 mm	0.90±0.05 mm	0.95±0.05 mm		INSULATION												
	N O.	1P*2	1P	1P	1P		FILLER												
Face Outside	COVERGE	100%	100%	100%	100%		DRAIN												
AL.MYLAR	OVERLAP	25% MIN	25% MIN	25% MIN	25% MIN														
DRAIN	MATERIAL	TINNED COPPER	TINNED COPPER	TINNED COPPER	TINNED COPPER														
	SIZE	19/0.08±0.008 mm	19/0.08±0.008 mm	19/0.08±0.008 mm	19/0.08±0.008 mm														
BRAID COPPER	MATERIAL	TINNED COPPER	TINNED COPPER	TINNED COPPER	TINNED COPPER														
	SIZE	16*6/0.08±0.008MM	16*6/0.08±0.008MM	16*6/0.08±0.008MM	16*6/0.08±0.008MM														
	COVERGE	90%MIN	90%MIN	90%MIN	90%MIN														
Foamed PP film	COVERGE	100%	100%	100%	100%														
	OVERLAP	25%MIN	25%MIN	25%MIN	25%MIN														
	N O.	(1P+ADBP)2C	1P	1P	1P														
Foamed PP film	COVERGE	100%	100%	100%	100%														
	OVERLAP	25% MIN	25% MIN	25% MIN	25% MIN														
BRAID COPPER	MATERIAL	TINNED COPPER	TINNED COPPER	TINNED COPPER	TINNED COPPER														
	SIZE	16*10/0.08±0.008MM (Coverage : 85%MIN)	16*10/0.08±0.008MM (Coverage : 85%MIN)	16*10/0.08±0.008MM (Coverage : 85%MIN)	16*10/0.08±0.008MM (Coverage : 85%MIN)														
	MIN.AVG.THICK	0.76 mm	0.76 mm	0.76 mm	0.76 mm														
JACKET	MATERIAL	MIXING PVC	MIXING PVC	MIXING PVC	MIXING PVC														
	COLOUR	PURPLE	PURPLE	PURPLE	PURPLE														
	O . D	7.00 ± 0.30 mm	7.00 ± 0.30 mm	7.00 ± 0.30 mm	7.00 ± 0.30 mm														
						COLOUR CODE:													
						(1P*26#+ADBP)*2C:													
						1. YELLOW * BLUE													
						2. ORANGE * PURPLE													
						IP*26#: 1.GREEN *WHITE													
						IP*24#: 1. BLACK RED													
						MINIMUM BEND RADIUS: 10X O.D.													
						 COMPONENTS EXPRESS, INC. 10330 Argonne Woods Drive, Ste100 Woodridge, IL 60517													
						YS2018111302, 8/12/19													
						<table><tr><td>APPROVED</td><td></td><td>CUSTOMER</td><td>奕樹</td></tr><tr><td>CHECKED</td><td></td><td>REV</td><td>A / 1</td></tr><tr><td>DRAWING</td><td>CHEN</td><td>DATE</td><td>2018/11/13</td></tr></table>		APPROVED		CUSTOMER	奕樹	CHECKED		REV	A / 1	DRAWING	CHEN	DATE	2018/11/13
APPROVED		CUSTOMER	奕樹																
CHECKED		REV	A / 1																
DRAWING	CHEN	DATE	2018/11/13																
ELECTRICAL CHARACTERISTICS		PHYSICAL PROPERTIES OF JACKET																	
USB2.0 UTP		USB3.0 STP*2P																	
1. Rating Temperature: 80°C ; VOLTAGE: 30V		1. Differential Impedance: 90±7Ω																	
2. Conductor Resistance: at 20°C max 26AWG: 150Ω/km		2. Intra-Pair Skew : 15ps /m																	
3. Insulation Resistance: 10MΩ/km min at 20°C de 500V		3. Attenuation/Insertion Loss:																	
4. Propagation Delay Skew: 100ps (Full-/High-speed only)		1.5dB@0.1GHz																	
5. Time Delay: 5.2ns/m(max)		5.0dB@1.25GHz																	
6. Impedance: 90±15%Ω		7.5dB@2.5GHz																	
7. Attenuation(Full/High-speed only):		25dB @ 7.5GHz																	
		20dB cable @ 0.1~7.5GHz																	
F(MHz)	Attenuation(dB)	F(MHz)	Attenuation(dB)																
0.064	0.08	24	0.95																
0.256	0.11	48	1.35																
0.512	0.13	96	1.90																
0.772	0.15	200	3.20																
1	0.20	400	5.80																
4	0.39																		
8	0.57																		
12	0.76																		

USB 3.0 Cable Type #: 3

SPECIFICATION:		(1P*24#+DAM)2C+1P*26#+2C*18#+F+AL+B / UL2725				CONSTRUCTION		D.W.G	
ITEM		SPECIFICATION							
CONDUCTOR	AWG	24AWG	26AWG	18AWG					
	MATERIAL	TINNED COPPER	TINNED COPPER	TINNED COPPER					
	COND.SIZE	7/0.20±0.008MM	7/0.16±0.008MM	43/0.16±0.008MM					
INSULATION	MIN.AVG.THICK	0.35MM	0.23MM	0.23MM					
	MATERIAL	FM-PE+SKIN	HD-PE	PVC					
	O.D	1.35±0.10MM	1.00±0.10MM	1.80±0.10MM					
DRAIN	N.O.	IP*2	IP	2C					
	AWG	24AWG		/					
	MATERIAL	TINNED COPPER		/					
Face Inside AL.MYLAR	SIZE	7/0.20±0.008MM	/	/					
	COVERAGE	100%	/	/					
	OVERLAP	25% MIN	/	/					
Hot-MYLAR	COVERAGE	100%	/	/					
	OVERLAP	25%MIN	/	/					
	N.O.	(1P+DAM)2C	IP	2C					
Face Outside AL.MYLAR	COVERAGE	100%		/					
	OVERLAP	25% MIN	/	/					
	MATERIAL		/	/					
DRAIN	SIZE		/	/					
	MATERIAL		TINNED COPPER						
	SIZE	24*9/0.10±0.008MM (COVERAGE:85% MIN)	0.50MM						
BRAID COPPER	MIN.AVG.THICK		PVC						
	MATERIAL		BLACK						
	COLOUR		7.50±0.20MM						
JACKET	O.D								
	ELECTRICAL CHARACTERISTICS				PHYSICAL PROPERTIES OF JACKET				
	USB2.0 UTP				USB3.0 STP*2P				
1. Rating Temperature: 80°C ; VOLTAGE: 30V				1. Differential Impedance: 90±7Ω					
2. Conductor Resistance: at 20°C max				2. Intra-Pair Skew : 15ps /m					
24AWG: 94.2Ω/km; 18AWG: 23.2Ω/km				3. Attenuation/Insertion Loss:					
3. Insulation Resistance: 10MΩ/km min at 20°C de 500V				1.5dB/1.5M@0.1GHz					
4. Propagation Delay Skew:100ps (Full-/High-speed only)				5.0dB/1.5M@1.25GHz					
5. Time Delay: 5.2ns/m(max.)				7.5dB/1.5M@2.5GHz					
6. Impedance: 90±15%Ω				25dB/1.5M@7.5GHz					
7. Attenuation(Full/High-speed only):				4. Differential to common mode:					
F(MHz) Attenuation(dB) F(MHz) Attenuation(dB)				20dB/cable @ 0.1-7.5GHz					
0.064 0.08 0.11 0.13 0.15 0.20 0.39 0.57 0.74				5. NEXT:					
				32dB@0.1GHz					
				32dB@2.5GHz					
				23dB@3.0GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					
				23dB@7.5GHz					

USB 3.0 Cable Type #: 4

SPECIFICATION:		(1P*26#+ADBP)2C+1P*26#+1P*24#+FPB				CONSTRUCTION		D.W.G	
ITEM		SPECIFICATION				JACKET			
CONDUCTOR	AWG	26AWG	26AWG	26AWG	24AWG	BRAID COPPER			
	MATERIAL	TINNED COPPER	TINNED COPPER	TINNED COPPER	TINNED COPPER	Foamed PP film			
	COND.SIZE	19/0.10±0.008 mm	19/0.10±0.008 mm	19/0.10±0.008 mm	41/0.08±0.008 mm	AL FOIL			
INSULATION	MIN.AVG.THICK	0.23 mm	0.23 mm	0.23 mm	0.23 mm	CONDUCTOR			
	MATERIAL	FM-PE+SKIN	HD-PE	HD-PE	HD-PE	INSULATION			
	O . D	1.20±0.10 mm	0.90±0.05 mm	0.90±0.05 mm	0.95±0.05 mm	FILLER			
Face Outside AL.MYLAR DRAIN	N.O.	1P*2	1P	1P	1P	DRAIN			
	COVERAGE	100%	/	/	/				
	OVERLAP	25% MIN	/	/	/				
BRAID COPPER	MATERIAL	TINNED COPPER	/	/	/	COLOUR CODE:			
	SIZE	19/0.08±0.008 mm	/	/	/	(1P*26#+ADBP)*2C:			
	MATERIAL	TINNED COPPER	/	/	/	1. YELLOW * BLUE			
Foamed PP film	COVERAGE	90%MIN	/	/	/	2. ORANGE * PURPLE			
	COVERAGE	100%	/	/	/	1P*26#: 1.GREEN *WHITE			
	OVERLAP	25%MIN	/	/	/	1P*24#: 1. BLACK RED			
Foamed PP film	N.O.	(1P+ADBP)2C	1P	1P	1P	MINIMUM BEND RADIUS: 10X O.D.			
	COVERAGE	100%	100%	100%	100%				
	OVERLAP	25% MIN	25% MIN	TINNED COPPER	TINNED COPPER				
BRAID COPPER	MATERIAL	TINNED COPPER	16*6'0.08±0.008MM	16*10'0.08±0.008MM	16*10'0.08±0.008MM	(Coverage : 85%MIN)			
	SIZE	16*6'0.08±0.008MM	90%MIN	0.76 mm	0.76 mm				
	MATERIAL	COVERAGE	COVERAGE	MIXING PVC	MIXING PVC				
JACKET	COLOUR	PURPLE	PURPLE	PURPLE	PURPLE	COMPONENTS EXPRESS, INC.			
	O . D	7.00 ± 0.30 mm	7.00 ± 0.30 mm	7.00 ± 0.30 mm	7.00 ± 0.30 mm	10330 Argonne Woods Drive, Ste100			
						Woodridge, IL 60517			
ELECTRICAL CHARACTERISTICS		USB3.0 STP*2P				PHYSICAL PROPERTIES OF JACKET			
USB2.0 UTP		1. Rating Temperature: 80 °C ; VOLTAGE: 30V 2. Conductor Resistance: at 20 °C max 26AWG: 150Ω/km; 3. Insulation Resistance: 10MΩ/km min at 20 °C dc 500V 4. Propagation Delay Skew:100ps (Full-/High-speed only) 5. Time Delay: 5.2ns/m(max) 6. Impedance: 90±15%Ω 7. Attenuation(Full/High-speed only):				1. Differential Impedance:90±7Ω 2. Intra-Pair Skew : 15ps /m 3. Attenuation/Insertion Loss: 1.5dB@0.1GHz 5.0dB@1.25GHz 7.5dB@2.5GHz 25dB@7.5GHz 4. Differential to common mode: 20dB/cable @ 0.1~7.5GHz			
F(MHz)	Attenuation(dB)	F(MHz)	Attenuation(dB)						
0.064	0.08	24	0.95						
0.256	0.11	48	1.35						
0.512	0.13	96	1.90						
0.772	0.15	200	3.20						
1	0.20	400	5.80						
4	0.39								
8	0.57								
12	0.76								
APPROVED		CUSTOMER		REV		A / 1			
CHECKED		DATE		CHEN		2018/11/13			
DRAWING		DATE		CHEN		2018/11/13			