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

MVF Type #: 1

W977072903
Rev. A, 7/29/2008

SPEC No.:	(19/0.1TA*1PR+2EAM)*2+ 19/0.16TA*2C+MAB 90% IEEE-1394b						
Customer		Customer NO.		8Code:	43120116	Sample NO:	W97072903
UL File NO.	E101344	UL Style:	UL 20279	Date:	7/29/08	Spec NO.	UD4V61RU11714FT7-H--
CSA File NO.	0	CSA Style:	0	Edition:	thirdly Edition	Operation NO:	0

Structure			Structure A	Structure B
Conductors	Structure AWG	AWG	26# (19/38)	22# (19/34)
	Material	--	Tinned Copper	Tinned Copper
	O.D.	mm	0.49 Ref	0.785 Ref
Insulation	Material	--	FOAM-PE	SR-PVC
	Diameter	mm	1.45±0.09	1.20±0.07
	Average Thickness	mm	0.480 Ref	0.208 Ref
	Color	--	AS Color Code	AS Color Code
Twist	Direction	--	Right (S)	--
	Diameter	mm	2.90	--
Shielding 1	Material	--	Free-edge-al-foil/mylar	--
	Conductive Side	--	Inside	--
	Overlap Rate	%	25 Ref	--
Drain wire	Structure AWG	AWG	26# (19/38) *2PCS	--
	Material	--	Tinned Copper	--
Layer	Direction	--	Right (S)	
	Pitch	mm	80 Ref	
	Diameter	mm	5 Ref	
Shielding 3	Material	--	Free-edge-al-foil/mylar	
	Conductive Side	--	Outside	
	Overlap Rate	%	25	
Shielding 4	Shield	--	Braid	
	Material	--	Tinned Copper	
	Coverage Rate	%	95MIN	
Jacket	Material	--	PU	
	Diameter	mm	7.1 ± 0.19	
	Average Thickness	mm	0.78 Ref	
	Extrusion	--	Little Solid	
	Externals	--	Plane	
	Color	--	U209 (BLACK)	

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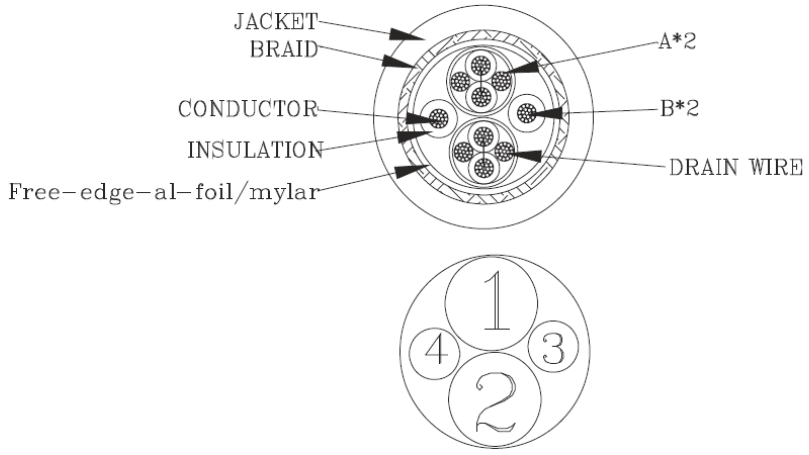
Structure		Structure A				Structure B	



COLOR CODE
1.RED*GREEN
2.ORANGE*BLUE
3.WHITE(P579)
4.BLACK(P570)

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Electric Characters

1.Voltage rating: 30V
2.Temperature rating: 80℃
3.Spark test : AC- 500V / 0.15 sec MIN.
4. Dielectric strength: AC- 750V/1sec MIN.
5.Insulation resistance : FOAM-PE,:DC-500V 100 MΩ/KM MIN. at 20℃
SR-PVC:DC-500V 10 MΩ/KM MIN. at 20℃
6.Conductor resistance : 26AWG-148Ω/KM MAX. at 20℃

Transmission Characters :

1.Attenuation:

Frequency (MHz)	400	800	1000
Attenuation (MAX) dB/2.0M	2.9	4.6	5.5

2.Impedance : 110±6Ω (Differential) TDR at 1 & 2.5ns
33±6Ω (Common mode)
3.Signal Pairs Propagation delay: ≦5.05ns/M MAX.
4.RiseTime ≦100ps
5.Intr-pair Skew ≦160ps
6.Crosstalk ≦3%

Physical Characters

1.Flame test of cable:
1.1 :Cable Flame Test
2.Tensile strength test(before aging) :
2.1 Sheath : ＞ 1.05kg/mm2
2.2 Insulation: ＞2.11kg/mm2 (SR-PVC)

3.Tensile strength test(after aging) :
3.1 Sheath: ＞70%
3.2 Insulation :＞70% (SR-PVC)
4.Elongation(before aging) :
4.1 Sheath: ＞100%
4.2 Insulation: ＞100% (SR-PVC)

5.Elongation(after aging) :
5.1 Sheath : ＞65%
5.2 Insulation : ＞70%(SR-PVC)

6.Requirements for green environment protection : Accord with RoHS

Approval	Frend	Auditor	Joan	Producer	xiaojin