



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

MVF Type #: 2

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)				

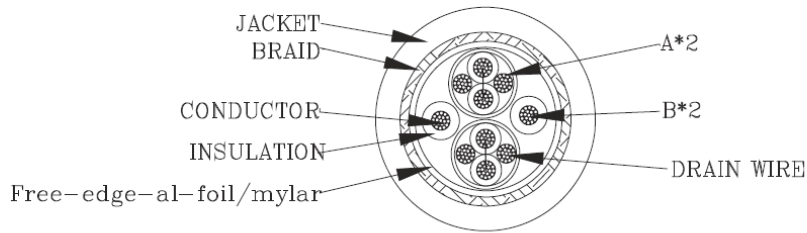


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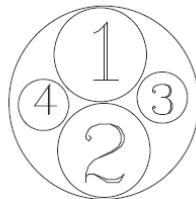
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- COLOR CODE**
- 1.RED*GREEN
 - 2.ORANGE*BLUE
 - 3.WHITE(P579)
 - 4.BLACK(P570)





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Electric Characters

- 1.Voltage rating: 30V
- 2.Temperature rating: 80°C
- 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°C
SR-PVC:DC-500V 10 MΩ/KM MIN. at 20°C
- 6.Conductor resistance : 26AWG-148Ω/KM MAX. at 20°C

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
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