

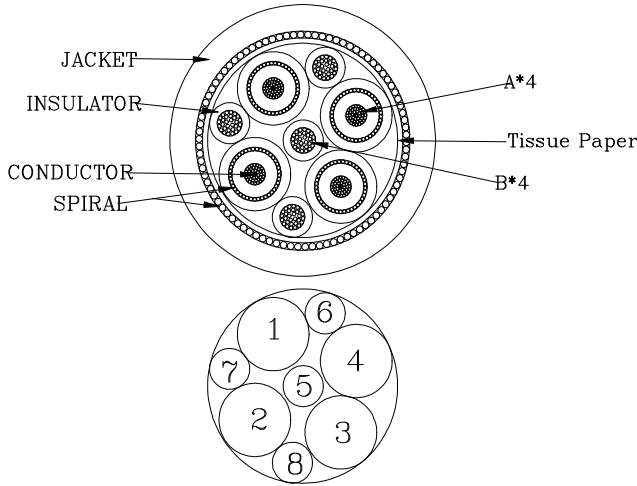
# MVA TYPE 2 CABLE

<b>SPEC No.:</b>	<b>1354(S)43/0.04BA*4C+41/0.08BA*4C+TS 90%</b>						
<b>Customer</b>		<b>Customer NO.</b>		<b>8Code:</b>	<b>311201--</b>	<b>Sample NO:</b>	<b>W96060808</b>
<b>UL File NO.</b>	<b>0</b>	<b>UL Style:</b>	<b>0</b>	<b>Date:</b>	<b>6/8/07</b>	<b>Spec NO:</b>	<b>5D4684DU11704607-U--</b>
<b>CSA File NO.</b>	<b>0</b>	<b>CSA Style:</b>	<b>0</b>	<b>Edition:</b>	<b>Secondly Edition</b>	<b>Operation NO:</b>	<b>0</b>
<b>Structure</b>		<b>Structure A</b>			<b>Structure B</b>		
<b>Conductors</b>	<b>Structure AWG</b>	<b>AWG</b>	<b>30# (43/45)</b>			<b>24# (41/40)</b>	
	<b>Material</b>	--	<b>Bare Copper</b>			<b>Bare Copper</b>	
	<b>O.D.</b>	mm	<b>0.303 Ref</b>			<b>0.599 Ref</b>	
<b>Insulation</b>	<b>Material</b>	--	<b>FOAM-PE</b>			<b>SR-PVC</b>	
	<b>Diameter</b>	mm	<b>1.35 ± 0.09</b>			<b>1.07 ± 0.07</b>	
	<b>Average Thickness</b>	mm	<b>0.524 Ref</b>			<b>0.236 Ref</b>	
	<b>Color</b>	--	<b>AS Color Code</b>			<b>AS Color Code</b>	
<b>Shielding1</b>	<b>Shield</b>	--	<b>Spiral</b>			--	
	<b>Material</b>	--	<b>Bare Copper</b>			--	
	<b>Coverage Rate</b>	%	<b>93</b>			--	
<b>Jacket 1</b>	<b>Material</b>	--	<b>PVC</b>			--	
	<b>Diameter</b>	mm	<b>1.85 Ref</b>			--	
	<b>Average Thickness</b>	mm	<b>0.168</b>			--	
	<b>Extrusion</b>	--	<b>Solid</b>			--	
	<b>Color</b>	--	<b>AS Color Code</b>			--	
<b>Layer</b>	<b>Direction</b>	--	<b>Right (S)</b>				
	<b>Pitch</b>	mm	<b>70 Ref</b>				
	<b>Diameter</b>	mm	<b>5 Ref</b>				
<b>Shielding 2</b>	<b>Material</b>	--	--	<b>Tissue Paper</b>			--
	<b>Conductive Side</b>	--	--	--			--
	<b>Overlap Rate</b>	%	--	<b>25</b>			--
<b>Shielding3</b>	<b>Shield</b>	--	<b>Spiral</b>				
	<b>Material</b>	--	<b>Bare Copper</b>				
	<b>Coverage Rate</b>	%	<b>90 MIN</b>				
<b>Jacket 2</b>	<b>Material</b>	--	<b>PU</b>				
	<b>Diameter</b>	mm	<b>7 ± 0.19</b>				
	<b>Average Thickness</b>	mm	<b>0.80 Ref</b>				
	<b>Extrusion</b>	--	<b>Fill-Tubing</b>				
	<b>Externals</b>	--	<b>Plane</b>				
	<b>Color</b>	--	<b>U209</b>				
<b>Inking</b>	<b>Color</b>	--	<b>WHITE</b>				
	<b>Inking NO.</b>	<b>CLH</b>	<b>Space Shuttle-Ultraflex</b>				
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<b>Customer</b>		<b>Customer NO.</b>		<b>8Code:</b>	311201--	<b>Sample NO:</b>	W96060808
<b>UL File NO.</b>	0	<b>UL Style:</b>	0	<b>Date:</b>	6/8/07	<b>Spec NO:</b>	5D4684DU11704607-U--
<b>CSA File NO.</b>	0	<b>CSA Style:</b>	0	<b>Edition:</b>	Secondly Edition	<b>Operation NO:</b>	0
<b>Structure</b>			<b>Structure A</b>			<b>Structure B</b>	

**Draw NO.:** 5/0032062.DWG



### COLOR CODE

- 1.Inside:NATURE,Outside:RED (P581)
- 2.Inside:NATURE,Outside:ORANGE(P587)
- 3.Inside:NATURE,Outside:BLACK(P580)
- 4.Inside:NATURE,Outside:WHITE(P585)
- 5.BROWN (P571)
- 6.BLUE (P576)
- 7.YELLOW (P574)
- 8.GRAY (P578)

### Physical Characteristics

- 1.Flame test of cable :
  - 1.1--
- 2.Tensile strength test ( before aging):
  - 2.1 Sheath : >1.05kg/mm<sup>2</sup>
  - 2.2 Insulation : >2.11kg/mm<sup>2</sup> ( SR)
- 3.Tensile strength test( after aging):
  - 3.1 Sheath: >70%
  - 3.2 Insulation :>70% ( SR)
- 4.Elongation( before aging):
  - 4.1 Sheath : >100%
  - 4.2 Insulation : >100% ( SR)
5. Elongation(after aging):
  - 5.1 Sheath : >65%
  - 5.2 Insulation: >70% ( SR)
- 6.Requirements for green environment protection : Accord with RoHS

### Electric Characteristics

- 1.Voltage rating : 30V
- 2.Temperature rating:60°C
- 3.Spark test : AC- 500V/0.15 sec MIN.
- 4.Dielectric strength: AC- 750V/1 sec MIN.
- 5.Insulation resistance: FPE: DC- 500V 100 MΩ/KM MIN. at 20°C  
SR: DC- 500V 10 MΩ/KM MIN. at 20°C
- 6.Conductor resistance: 30AWG- 376 Ω/KM MAX. at 20°C  
26AWG- 148 Ω/KM MAX. at 20°C

### Transmission Characters

- 1.Capacitance : 1.Coaxial cable:56 pf/M at 1KHzs. (Nominal)
- 2.Impedance : 75 ± 5 Ω (Coaxial cable)
- 3.Attenuation : 110 dB/KM at 10 MHz
- 4.Time delay : 4.6 ns/M
- 5.Velocity of propagation : 78% nominal.