

# 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>	<small>Secondly Edition</small>	<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>	<b>mm</b>	<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>	<b>mm</b>	<b>1.35 ± 0.09</b>			<b>1.07 ± 0.07</b>	
	<b>Average Thickness</b>	<b>mm</b>	<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>%</b>	<b>93</b>			--	
<b>Jacket 1</b>	<b>Material</b>	--	<b>PVC</b>			--	
	<b>Diameter</b>	<b>mm</b>	<b>1.85 Ref</b>			--	
	<b>Average Thickness</b>	<b>mm</b>	<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>	<b>mm</b>	<b>70 Ref</b>				
	<b>Diameter</b>	<b>mm</b>	<b>5 Ref</b>				
<b>Shielding 2</b>	<b>Material</b>	--	--	<b>Tissue Paper</b>			--
	<b>Conductive Side</b>	--	--	--			--
	<b>Overlap Rate</b>	<b>%</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>%</b>	<b>90 MIN</b>				
<b>Jacket 2</b>	<b>Material</b>	--	<b>PU</b>				
	<b>Diameter</b>	<b>mm</b>	<b>7 ± 0.19</b>				
	<b>Average Thickness</b>	<b>mm</b>	<b>0.80 Ref</b>				
	<b>Extrusion</b>	--	<b>Fill-Tubing</b>				
	<b>Externals</b>	--	<b>Plane</b>				
	<b>Color</b>	--	<b>U209</b>				



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

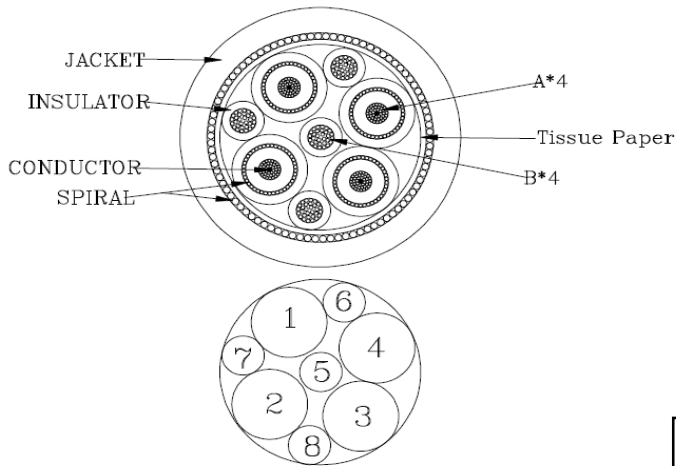
**W96060808**

**Rev. A, 6/8/2007, 8/8/19**

# 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>		

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)

**MINIMUM BEND RADIUS: 10X O.D.**

## 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.



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

W96060808

Rev. A, 6/8/2007, 8/8/19