

**Bulk Cable Specification**

**CTL3VGA-500T**

<p>Cross-Sectional View</p>		<p>Color Code</p> <table border="0"> <tr> <td><u>Coaxials</u></td> <td><u>Conductors</u></td> </tr> <tr> <td>Red</td> <td>Black</td> </tr> <tr> <td>Green</td> <td>Brown</td> </tr> <tr> <td>Blue</td> <td>Red</td> </tr> <tr> <td></td> <td>Orange</td> </tr> <tr> <td></td> <td>Yellow</td> </tr> <tr> <td></td> <td>Green</td> </tr> <tr> <td></td> <td>Blue</td> </tr> <tr> <td></td> <td>Violet</td> </tr> <tr> <td></td> <td>Gray</td> </tr> </table>		<u>Coaxials</u>	<u>Conductors</u>	Red	Black	Green	Brown	Blue	Red		Orange		Yellow		Green		Blue		Violet		Gray
<u>Coaxials</u>	<u>Conductors</u>																						
Red	Black																						
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	Violet																						
	Gray																						
ITEM		DESCRIPTION																					
		UNIT A (3 Coaxials)	UNIT B (9 Conductors)																				
Conductor	Material	Tinned Copper wire, Stranded	Tinned Copper wire, Stranded																				
	Construction	32 AWG (7 x 40)	30 AWG (7 x 38)																				
Insulation	Material	Foam PE + Skin	HDPE																				
	Nominal Thickness	.38mm	.004"																				
	Nominal Diameter	1.00mm	.020"																				
Shielding	Material	Tinned copper wire	----																				
	Coverage	100%	----																				
Shielding (foil)	Material	Copper coated, aluminized mylar	----																				
	Coverage	100% with 25% overlapping	----																				
Shielding	Material	Aluminized mylar spirally wrapped																					
	Coverage	100% with 25% overlapping																					
Braiding	Material	Tinned copper																					
	Coverage	85% min																					
Jacket	Material	PVC																					
	Nominal Thickness	.60mm																					
	Nominal Diameter	.205" [5.2mm]																					
	Color	Black																					
<p>Minimum Marking: AWM Style 20276 80°C 30V VW-1</p>																							
ELECTRICAL PROPERTIES																							
ITEM	UNIT A	UNIT B																					
Conductor Resistance	32 AWG- 588Ω/km MAX @ 20° C	30 AWG- 376Ω/km MAX @ 20°C																					
Insulation Resistance	100MΩ/km MIN @ 20°C	100MΩ/km MIN @ 20°C																					
Dielectric test	500VAC / 1 min, No Breakdown	500VAC / 1 min, No Breakdown																					
Temperature rating	80°C	80°C																					
Nominal Impedance (coaxial cables)	75Ω																						

**NOTES:** CTL3VGA-500T CONSISTS OF A 500 FT SPOOL OF CABLE AS DESCRIBED ABOVE.  
TOTAL CABLE LENGTH TOLERANCE: +5% / -0%