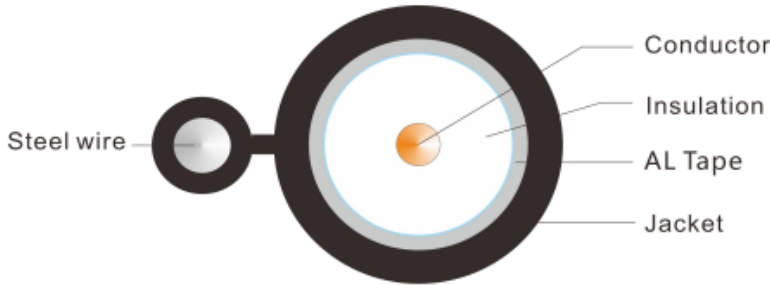



Spec: Coaxial Trunk Cable 500+M																																											
Product number	AX500M	Document No	TJ/S210408005	Revision	A/0																																						
Structure Diagram			Performance Requirement																																								
			S/N	Items	Performance Index																																						
			1	DC Resistance (Inner conductor)	≤4.7Ω/km(20℃)																																						
			2	DC Resistance (Outer conductor)	≤1.21Ω/km(20℃)																																						
			3	Capacitance	50 ±3 pF/m																																						
			4	Velocity Ratio	88%																																						
			5	Temperature Range	75℃																																						
			6	Impedance	75±3 Ω																																						
			7	Bend Radius	≥100mm																																						
			8	Tensile strength	≤1330N																																						
			9	Return Loss	23 dB																																						
Structure Size			<table border="1"> <thead> <tr> <th colspan="2"></th> <th>Frequency (MHz)</th> <th>dB (100ft)</th> </tr> </thead> <tbody> <tr> <td rowspan="15" style="text-align: center;">10</td> <td rowspan="15" style="text-align: center;">Attenuation</td> <td>5</td> <td>0.16</td> </tr> <tr> <td>55</td> <td>0.54</td> </tr> <tr> <td>211</td> <td>1.09</td> </tr> <tr> <td>250</td> <td>1.20</td> </tr> <tr> <td>270</td> <td>1.24</td> </tr> <tr> <td>300</td> <td>1.31</td> </tr> <tr> <td>330</td> <td>1.38</td> </tr> <tr> <td>350</td> <td>1.43</td> </tr> <tr> <td>400</td> <td>1.53</td> </tr> <tr> <td>450</td> <td>1.63</td> </tr> <tr> <td>500</td> <td>1.73</td> </tr> <tr> <td>550</td> <td>1.82</td> </tr> <tr> <td>600</td> <td>1.91</td> </tr> <tr> <td>750</td> <td>2.16</td> </tr> <tr> <td>870</td> <td>2.35</td> </tr> <tr> <td>1000</td> <td>2.52</td> </tr> </tbody> </table>					Frequency (MHz)	dB (100ft)	10	Attenuation	5	0.16	55	0.54	211	1.09	250	1.20	270	1.24	300	1.31	330	1.38	350	1.43	400	1.53	450	1.63	500	1.73	550	1.82	600	1.91	750	2.16	870	2.35	1000	2.52
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S/N	Items	Size Data Sheet																																									
1	Conductor	Structure (mm)	2.77/1																																								
		Material	Copper Clad Aluminum																																								
		Nom. Diameter (mm)	2.77±0.01mm																																								
2	Insulation	Material	Foam PE																																								
		Nom. Diameter (mm)	7.11±0.05																																								
3	Shield	Material	AL Tube																																								
		Coverage	100%coverage																																								
4	Jacket	Nom. Diameter (mm)	14.22±0.10																																								
		Nom. Thickness (mm)	1.0																																								
		Material	PVC																																								
		Color	Black/White																																								
5	Messenger	Nom. Diameter (mm)	2.77±0.05																																								
		Material	Galvanized Steel Wire																																								
6	Package:	750MT/Wooden Drum																																									
Making: AXIS AX500M .500 MESSENGER COAXIAL TRUNK CABLE 001MT			 COAXIAL CABLE 0.500 MESSENGER																																								
Approval by				Date																																							
Reviewed by				Date																																							
Make by			Andy Shen	Date	2021/4/8																																						