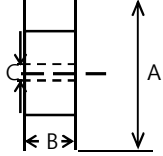


1	MATERIAL NAME	<b>Copper Tube</b>								ISSUE	2011. 01.21	
	SCOPE	For use in high-frequency coaxial cable										
	1	CLASSIFICATION	Copper Tube according to C1020 in JIS H 3100 or C10200 in ASTM B 152, Annealed Temper									
Page	TEST ITEM	UNIT	SPECIFIED VALUE							TEST CONDITION	TEST METHOD	
			9.2Φ × 0.30t	9.2Φ × 0.35t	9.6Φ × 0.20t	9.6Φ × 0.30t	9.6Φ × 0.35t	13.5Φ × 0.5t	17.5Φ × 0.40t			
LS Cable Ltd. Material Spec.	Outer Diameter	mm	9.2 ± 0.03	9.2 ± 0.03	9.6 ± 0.03	9.6 ± 0.03	9.6 ± 0.03	13.5 ± 0.03	17.5 ± 0.03	-	-	
	Inner Diameter	mm	8.6	8.5	9.2	9.00	8.90	12.50	16.70	-	-	
	Thickness	Individual	mm	0.30 ± 0.06	0.35 ± 0.06	0.20 ± 0.06	0.30 ± 0.06	0.35 ± 0.06	0.50 ± 0.06	0.40 ± 0.06	-	-
		Average	mm	0.30 ± 0.01	0.35 ± 0.01	0.20 ± 0.01	0.30 ± 0.01	0.35 ± 0.01	0.50 ± 0.01	0.40 ± 0.01	-	-
	Ovality	mm	max 0.2	max 0.2	max 0.2	max 0.2	max 0.2	max. 0.4	max. 0.4	-	-	
	Coil Length	m	2860 (-0,+5m)	2890 (-0,+5m)	3200 (-0,+5m)	2950 (-0,+5m)	2950 (-0,+5m)	1020 (-0,+5m)	1120 (-0,+5m)	-	-	
	Weight	kg	213 (-0,+1kg)	250 (-0,+1kg)	168 (-0,+1kg)	230 (-0,+1kg)	267 (-0,+1kg)	185 (-0,+1kg)	214 (-0,+1kg)	-	-	
	Tensile Strength	kgf/mm <sup>2</sup>	Min. 21							-	-	
	Elongation	%	Min. 40							-	-	
	Hardness	-	HV 50~60							-	-	
	Electric Conductivity	%	Min. 100							-	-	
	Cu. Purity	%	Cu. : Min. 99.95							-	-	
	Oxygen Content	%	O <sub>2</sub> : Max. 0.002							-	-	
	Appearance (The surface & Edges)	Inner and outer surface of the tube must be smooth, bright and free from grease. It should not present annealing colors. Incorporations of copper particles or foreign materials are not admissible.										
PACKING			IDENTIFICATION				TRANSPORTATION AND ACCEPTANCE INSPECTION					
1. This goods shall be delivered with wooden reel state (as follows)and shall not contain a joint in a reel. 2.Reel Size -Flange Dia.(A); min.1200mm -Out width(B); max.900mm -Arbor Dia.(c); 130±5mm			1. Name 2. Lot number 3. Gross weight 4. Net weight 5. The year of manufacture 6. Manufacturer				1.This goods shall be protected from dirt and other foreign matter during the transportation. 2.Manufacturer have to send the test report with products.					
												
ASSOCIATED DOCUMENTS		COPY PROVIDER		Approved by		DS Lee		Checked by		DS Lee Prepared Dinesh.Bist		