

LT-D10-HX-S

Test Reports

Cl.	Test Item	Unit	Requirements	Results	Verdict	Notes
1	Inspected cores identification	sandy	sandy			
1.1	Conductor					
	--conductor material	/	4 tinned copper wires + 3 steel wires	4 tinned copper wires + 3 steel wires	P	
	--diameter of copper wire	mm	/	0.30, 0.30	N	
	--diameter of steel wire	mm	/	0.30, 0.30	N	
1.2	Core insulation					
	--average thickness	mm	/	0.47, 0.47	N	
	--average outer diameter	mm	/	1.84, 1.82	N	
	--colour	sandy	sandy, sandy	P		
1.3	Core sheath					
	--average thickness	mm	/	0.20, 0.19	NA	
	--average outer diameter	mm	/	2.16, 2.22	N	
	--colour	transparent	transparent	P		
1.4	Overall diameter of twisted pair	mm	/	4.3	N	
2	Breaking force of conductor	N	≥390	491	P	
3	Electrical properties					
3.1	Conductor DC resistance (20 C)	Ω/km	≤151	59, 59	P	
3.2	Insulation resistance (20 C)	MΩ/km	≥3500	7570, 5220	P	
3.3	Voltage test (AC3.0kV, 5min)	/	/	/	/	
	--core/core	/	no breakdown	passed, passed	P	
3.4	Attenuation (20 C)	/	/	/	/	
	--400 Hz	dB/km	/	0.68	N	
	--3300 Hz	dB/km	/	1.76	N	

