	Reliability specification		Revision			
Item	High Temperature Test (Storage)					
Applied Product Family	Cable		Testable	0		
	First Review	Мо	ckup Sample	Mold Sample		
			0	0		
Test condition	Ø Test room Condition Temperature : 25°C ± 3°C Relative humidity : 25% ~ 75% Atmospheric pressure : 86kPa (860mbar) ~ 106kPa (1,060mbar) Ø Test Condition Test Temperature : 70°C Test Time : 72 Hrs Left it under room temperature for 4 hours after test					
Test equipment	Temperature chamber					
Sample Quantity	• At least 3 pcs					
Test time(day)	• 3 days					
Criteria standard	 Not allowed any loss of function or degradation of performance (Normal performance within limits) Not allowed any deformation, descoloration, crack or corrosion 					

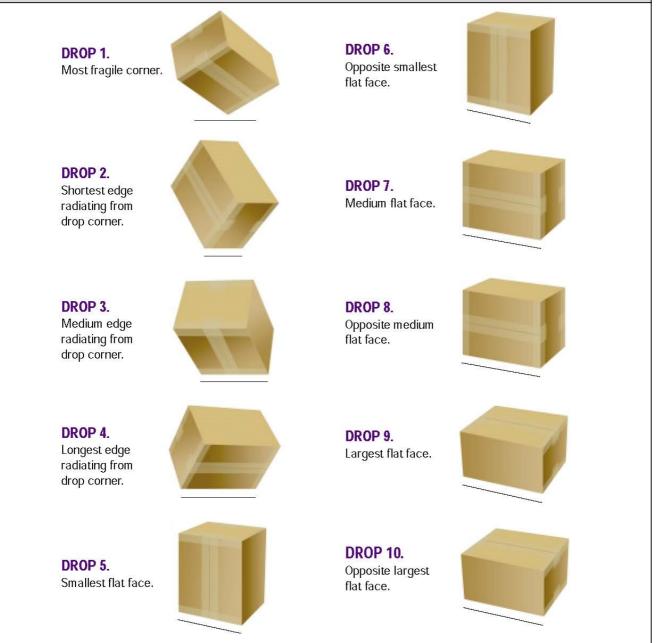
	Reliability specification		Revision			
Item	Low Temperature Test (Storage)					
Applied Product Family	Cable		Testable	0		
	First Review	Мо	ckup Sample	Mold Sample		
			0	0		
Test condition	© Test room Condition • Temperature : 25°C ± 3°C • Relative humidity : 25% ~ 75% • Atmospheric pressure : 86kPa (860mbar) ~ 106kPa (1,060mbar) © Test Condition • Test Temperature : -20°C ± 2°C • Test Time : 72 Hrs • Left it under room temperature for 4 hours after test • Left it under room temperature for 4 hours after test • $40^{\circ}C$ • $20^{\circ}C$ • $-20^{\circ}C$ • $-40^{\circ}C$ • $-72Hr \longrightarrow -4Hr \longrightarrow Time$					
Test equipment	Temperature chamber					
Sample Quantity	• At least 3 pcs					
Test time(day)	• 3 days					
Criteria standard	 Not allowed any loss of function or degradation of performance (Normal performance within limits) Not allowed any deformation, descoloration, crack or corrosion 					

Item	Reliability specification	Revision				
	High Temperature & High Humidity Test (Storage)					
Applied Product Family	Cable	Testable		Х		
	First Review	Mockup Sample		Mold Sample		
		0		0		
Test condition	Itest room Condition Temperature : $25^{\circ}C \pm 3^{\circ}C$ Relative humidity : $25\% \sim 75\%$ Atmospheric pressure : $86kPa$ Itest Condition Test Condition Test Temperature : $60^{\circ}C \pm 2^{\circ}C$ Humidity : $90\% \pm 3\%$ Test Time : 72 Hrs Left it under room temperature To avoid condensation, adjust t $60^{\circ}C$ Item 40^{\circ}C Item 40^{\circ}C Item 20^{\circ}C Item 20^{\circ}C Item 72		nperature (within 2Hr)			
Test equipment	Temperature & Humidity chamber					
Sample Quantity	• At least 3 pcs					
Test time(day)	• 3 days					
Criteria standard	 Not allowed any loss of function or degradation of performance (Normal performance within limits) Not allowed any deformation, descoloration, crack or corrosion 					

	Reliability specification	Revision			
Item	Thermal Shock Test (Storage)				
Applied Product Family	Cable	Testable	х		
	First Review	Mockup Sample	Mold Sample		
			0		
Test condition	© Test room Condition • Temperature : 25°C ± 3°C • Relative humidity : 25% ~ 75% • Atmospheric pressure : 86kPa (860mbar) ~ 106kPa (1,060mbar) © Test Condition • Test Temperature : -20°C ± 2°C / 30 min, 70°C ± 2°C / 30 min • Cycle : 30 Cycle • Temperature changing time : within 5 min • Left it under room temperature for 4 hours after test • • • • • • • • • • • • • • • • • • •				
Test equipment	Temperature shock chamber				
Sample Quantity	• At least 3 pcs				
Test time(day)	• 2 days				
Criteria standard	 Not allowed any loss of function or degradation of performance (Normal performance within limits) Not allowed any deformation, descoloration, crack or corrosion 				

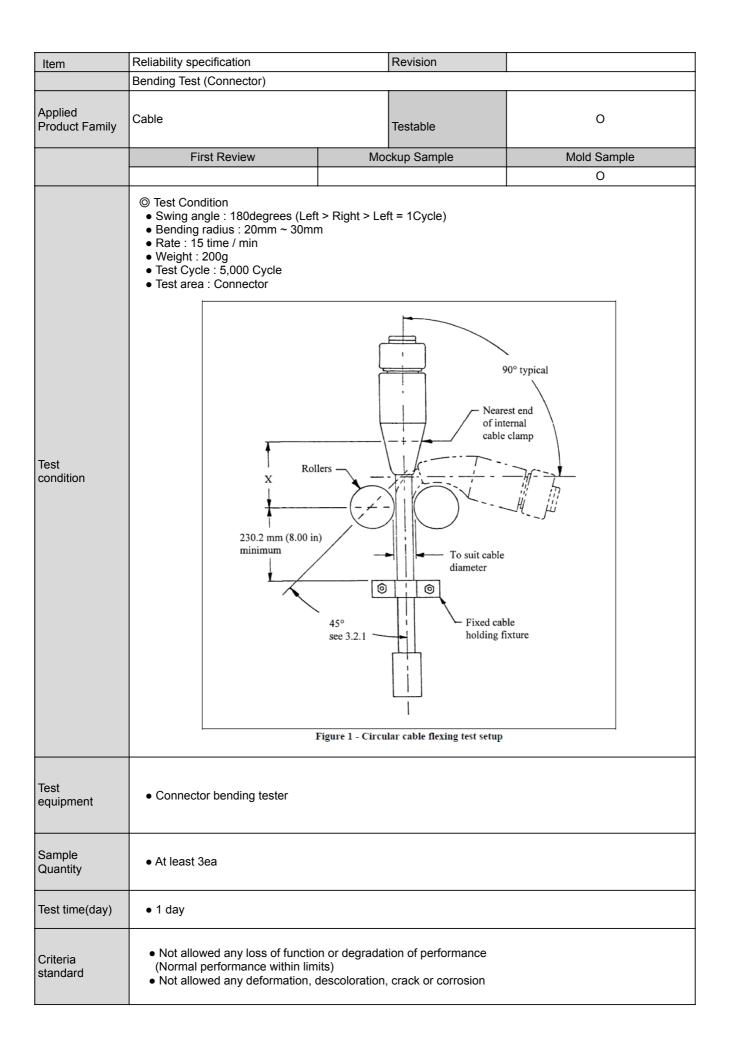
Item	Reliability specification Revision					
	Drop Test (Cartor	ı box)				
Applied Product Family	Cable				Testable	x
	First F	Review		Μ	ockup Sample	Mold Sample
						0
	 Test room Condition Temperature : 25°C ± 3°C Relative humidity : 25% ~ 75% Atmospheric pressure : 86kPa (860mbar) ~ 106kPa (1,060mbar) Test Condition Drop height : According to reference table (± 10%) Test Count : 1 times for each point (check the detail procedure) Box Condition : Box inside full state 					9 (8)
	over	under		Drop ght[mm]		
	0	10		760		
	10	19		610		
	19	28		460	6	
	28	45		310		
T4	45	68		200	k	
Test condition	68	-		150	7	$\begin{bmatrix} \vdots & & 1 \\ 0 & 0 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 0 & 1 \end{bmatrix}$
	< Drop h	eight refere	ence tal	ole>	(.	4
		· · · · ·				
		Count	Point		Detail	
		1	Corne		agile corner	
		2	Edge		st edge radiating from o	
		3	Edge		n edge radiating from d	
		4	Edge		t edge radiating from d	lrop corner
		5	Face	Smallest flat face		
		6	Face		te smallest flat face	
		7	Face			
		8 9	Face Face		te medium flat face	
		10	Face		t flat face ite largest flat face	
					Test Count >	
Test equipment	 Floor Material : Cement Flatness : 0° ± 2° 					
Sample Quantity	• At least 3ea					
Test time(day)	• 1 day					
Criteria standard	 Device Not allowed any loss of function or degradation of performance (Normal performance within limits) Not allowed any crack or mechanical damage Package Not allowed any apprearance damage 					

※ Detail procedure



Item	Reliability specification Re		Revision		
	Salt Spray Test (Metal part)				
Applied Product Family	Cable		Testable	х	
	First Review	Mo	ckup Sample	Mold Sample	
				0	
Test condition	 Test room Condition Temperature : 25°C ± 3°C Relative humidity : 25% ~ 75% Atmospheric pressure : 86kPa (860mbar) ~ 106kPa (1,060mbar) Test Condition Salt water concentration : 5% ± 1% Test zone temperature : 35°C ± 2°C Salt water pH : 6.5 ~ 7.2 Salt water specific gravity : 1.02 ~ 1.04 Test Time : 24 hours 				
Test equipment	Salt spray tester				
Sample Quantity	• At least 3EA				
Test time(day)	● 1day				
Criteria standard	 Not allowed any deformation, discoloration, crack or corrosion 				

	Reliability specification		Revision		
Item	Tensile Test				
Applied Product Family	Cable		Testable	х	
	First Review	Mo	ckup Sample	Mold Sample	
				0	
Test condition	 Test Condition Grabbing position : Connector Pull out force : 40N Test time : 1 min Sample quantity : 3 pcs 				
Test equipment	Tensile tester				
Sample Quantity	• At least 3ea				
Test time(day)	● 1 day				
Criteria standard	 Not allowed any loss of function or degradation of performance (Normal performance within limits) Not allowed any deformation, descoloration, crack or corrosion during test 				



	Reliability specification		Revision		
Item	Twist Test				
Applied Product Family	Cable		Testable	Х	
	First Review	Mo	ckup Sample	Mold Sample	
				0	
Test condition	 Test Condition Swing angle : 360 degrees (Lef Rate : 30 time / min Test Cycle : 5000 Cycle Test area : Cable Sample quantity : 3 pcs 	ft > Right > Le	eft = 1Cycle)	3	
Test equipment	Connector bending tester				
Sample Quantity	• At least 3ea				
Test time(day)	• 1 day				
Criteria standard	 Not allowed any loss of function or degradation of performance (Normal performance within limits) Not allowed any deformation, descoloration, crack or corrosion 				