



Test Report Instructor

product name		BS 6231		customer		RG cable		
Size		0.5mm2~240mm2		version number		A.0		
Number	Inspection item	Performance requirements	Test method	Inspection item	Spot-check		Type tests	
					item	frequency	item	frequency
1	façade and colour	smooth,smooth and zero damage; colour	inspectional analysis	✓	✓	AQL=1.0	✓	1time/year
2	Conductor resistance	see the specs	HD21.2	✓	✓	1piece/batch	✓	1time/year
3	Voltage withstand test	2.5kV AC/5min no breakdown	HD21.2	✓	✓	1piece/batch	✓	1time/year
4	90℃insulation resistance	see the HD21.2 requirment	HD21.2 (5m×DC	✓	✓	1piece/batch	✓	1time/3 months
5	conductor size	according to design sheets	inspectional analysis、micrometer	✓	✓	1piece/batch	✓	1time/year
6	insulation thickness	according to design sheets	HD21.2	✓	✓	AQL=10	✓	1time/year
7	eccentricity	≥75%	projector		✓	AQL=10	✓	1time/year
8	cable diameter	according to design sheets	HD21.2	✓	✓	AQL=1.0	✓	1time/year
9	Before Aging raw performance	tensile strength≥12.0MPa	EN60811-1-1	✓	✓	1piece/batch	✓	1time/3 months
		Tensile Elongation≥100%						
10	After Aging raw performance	tensile strength≤±25%	(135±2℃×336h)	✓			✓	1time/year
		Tensile Elongation≤±25%	EN60811-1-2					1time/year
11	zero-gravity test	Max value weightlessness 1.5mg/cm2	(115±2℃×336h) EN60811-3-2	✓			✓	1time/year
12	Apparatus for Pressure at high-temp	depth of indentation≤50%@90±2℃	EN60811-3-1	✓			✓	1time/year
13	Cold Bending	—15±2℃ no crack	EN60811-1-4	✓			✓	1time/year
14	Heat shrinkage test	(150±2℃) ×1h	EN60811-3-1	✓			✓	1time/year
15	Flame Test	according to GB18380.2-200	EN50265-2-1	✓			✓	1time/year
16	Reheat Test	200±0.5℃Min Hot stable time≥240min	EN60811-3-2	✓			✓	1time/year
17	Marking	Space≤275mm	ruler	✓	✓	AQL=10	✓	1time/year
		Resistant to wear and clear and clear marks should be printed on	inspectional analysis, inspect	✓	✓	AQL=10		1time/year
				✓	✓	1piece/batch		1time/year
18	Packing	according to design sheets	inspectional analysis		✓	all inspettion		