



Test Report Instructor

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