

ESP Cable Solutions Co.,Ltd



Report No: SOLUTIONS20160405

Finished products test report

Product Name: 600/1000V copper conductor ethylene propylene chlorinated polyethylene sheath rubber flexible cable

Model Specifications: CU/EPR/CPE-600/1000V 3X240+1X120mm²

Inspection on the basis of reference: IEC-60245

Delivered quantity: 100m

Report date: April,5,2016

No.	Test item	Test requirement	Test result		
1	Physical properties				
1.1	Pitch diameter than the outer	≤16	14		
1.2	Outer conductor stranding direction	left	left		
1.3	Phase insulation color	blue、black、brown	blue、black、brown		
1.4	Neutral insulation color	black	black		
1.5	Phase insulation the average thickness of not less than	2.4 mm	2.41	2.40	2.43
1.6	Phase insulation thinnest thickness of not less than	2.06 mm	2.08	2.10	2.06
1.7	Neutral insulation thickness not less than the average	1.8 mm	1.8 mm		
1.8	Neutral thinnest insulation thickness of not less than	1.52 mm	1.53 mm		
1.9	Average thickness of sheath	7.0 mm	7.0 mm		
2.0	The minimum thickness of the jacket	5.85 mm	5.90 mm		
2.1	outside diameter of cable	80.0~85.0mm	81.20 mm		
3	electrical property				
3.1	Phase conductor dc resistance is not greater than	0.0801Ω/km	0.0777	0.0779	0.0781
3.2	The neutral conductor dc resistance is not greater than	0.161Ω/km	0.1546		
3.3	Insulation spark test	20kV is not breakdown	Pass		
3.4	Delivery pressure test	3.0KV/5 minutes is not	Pass		
4	Cable appearance	Surface smooth and rounded	Surface smooth and rounded		
5	Print clear, easy to argue, rubbing	Scuff clear printing	Scuff clear printing		

Inspect: Liu Yongchao

Examine and verify: Wu Xianjun