

ESP Cable Solutions Co.,Ltd



Product Description:TECK 90 5kV 3*2AWG+1*6AWG

Purchase Order No:3074-0416

Quantity:2500 FT

Test No: Solutions20160616X

No.	Test item		Reference Value	Measured Value	Result
1	Conductor				
	Conductor material	Main core	Tinned copper	Tinned copper	pass
		Ground wire	Annealed copper	Annealed copper	pass
	Number of conductor wires	Main core	7/2.58	7/2.58	pass
		Ground wire	7/1.56	7/1.56	pass
2	Semiconductive Conductor Screen				
	Nominal Thickness		0.51mm	0.60mm	pass
	Minimum Thickness		0.36mm	0.45mm	pass
3	Insulation				
	Material		EPR	EPR	pass
	Nominal Thickness		2.29mm	2.52mm	pass
	Minimum Thickness		2.06mm	2.30mm	pass
	Core identification		Red,Blue,Black	Red,Blue,Black	pass
4	Inner Sheath				
	Material		PVC	PVC	pass
	Color		Black	Black	pass
	Nominal Thickness		2.03mm	2.03mm	pass
	Minimum Thickness		1.73mm	1.91mm	pass
5	Aluminium strip armoured				
	Thickness		0.85mm	0.85mm	pass
6	Outer Sheath				
	Material		PVC	PVC	pass
	Color		Black	Black	pass
	Nominal Thickness		1.52mm	1.63mm	pass
	Minimum Thickness		1.27mm	1.45mm	pass
	overall diameter		40.0~43.9	42.5mm	pass
7	Electrical test		Reference Value	Measured Value	Result
	Max. D.C. resistance of conductor at 20℃ Max.	Main core	0.534ohm/kM	0.525ohm/kM	pass
		Ground wire	1.350ohm/kM	1.307ohm/kM	pass
	Voltage test		13kv for 1min	no-break	pass

Inspected by Guo Ming

Title Inspector

Date 2016/6/16

Approved by Zheng ChengGong

Title Director of Test Department

Date 2016/6/16