

ESP Cable Solutions Co.,Ltd



TEST REPORT

Solutions150078/JL-8.4-01					
Description	Type	QYYEQEY-5KV-204℃-3*42.5 mm ²			
	Weight	5620 KG	Length	4300 FT	
	Standard	As Requirement	Shape of cable	Round	
	Standard overall dimension	≤42 mm	Measured results	≤42 mm	
Conductor	Number of conductors	3 Conductors	Type of conductor	Solid	
	Standard diameter of conductor	7.35±1% mm	Measured results	7.35±1% mm	
	Standard conductor resistance	≤0.42Ω/km at 20℃	Measured results	RA=0.4141 Ω/km	
				RB=0.4155 Ω/km	
		RC=0.4141 Ω/km			
Standard degree of unbalance	ε ≤2% at 20℃	Measured results	ε=0.3%		
Insulation	Type of insulation	Compound Insulation			
	Average thickness	2.10 mm	Thickness of the Thinnest Point	≥1.79 mm	
	Standard insulation resistance	≥ 4129 MΩ·km at 15.6℃	Measured results	A0= 6000MΩ·km	AB= 5500MΩ·km
				B0= 6000MΩ·km	BC= 5500MΩ·km
C0= 6000MΩ·km				CA= 5500MΩ·km	
Inner Jacket	Material	Lead Sheath	Average thickness	1.0 mm	
			Thickness of the Thinnest Point	≥0.90 mm	
Outer Jacket		EPDM	Average thickness	2.0 mm	
			Thickness of the Thinnest Point	≥1.4 mm	
Armor	Material	Galvanized steel tape	Average thickness	0.635 mm	
			Thickness of the Thinnest Point	≥0.595 mm	
Leakage Current	Test voltage	DC 35kV	Test time	5 minutes	
	Standard leakage current	≤ 0.85 μA/km at 15.6℃	Measured results	IA= 0.82 μA/km	
				IB= 0.82 μA/km	
				IC= 0.80 μA/km	
Test Date: August 3,2015					
Appearance	Qualified		Conclusions	Qualified	