



ROUTINE TEST

Date :05/05/12
Type & Size: 1X50 NA2XY

LV Power & Control Cables

Cable Elements	Results			Standard Value
Conductor:	AL-CLASS 2			AL-CLASS 2
Conductor (N0*Dia)	7x2.98			—
Conductor Resistance (Ω / km) At 20 °c (MAX)	0.631			0.641
Insulation:	Min	Mean	Max	
Thickness :	1.00	1.05	1.10	1.00
Nominal Diameter :	10.90	11.00	11.10	—
Color Insulation	Black			Black
Insulation material	Xlpe			Xlpe
Sheath	Min	Mean	Max	
Sheath (Thickness)	1.30	1.40	1.45	تبصره :هرطرف از 1.24 کمتر نباشد
Overall Diameter	13.50	13.80	14.00	—
Jacket material	PVC-ST1			PVC-ST1
Volumetric resistance 90c	3.2x10 ¹²			10 ¹²
ELONGATION(Before Insulation aging)	419			200
ELONGATION (after Insulation aging)	406			200
TENSILE (Before Insulation aging)	14.39			12.5
TENSILE(after Insulation aging)	14.10			12.5
ELONGATION(amount of changes)	-3.10			±25
TENSILE (amount of changes)	-2.01			±25
ELONGATION(Before jacket aging)	251			150
ELONGATION (after jacket aging)	223			150

TENSILE (Before jacket aging)	14.87	12.5
TENSILE(after jacket aging)	14.69	12.5
ELONGATION(amount of changes)	-11.15	±25
TENSILE (amount of changes)	-1.21	±25
Long Term Res . To DC Voltage 8.4kv	No crack	No crack
Cable mark : ETEMAD CABLE CO.1x50 mm² NA2XY 3569-1(0.6/1KV) 6668434966 شماره پیامک اصالت کالا 10001517 MADE IN IRAN		