



ROUTINE TEST

Date :05/05/21
Type & Size: 1X50 NAYY

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 :	1.35	1.40	1.45	1.40
Nominal Diameter :	11.60	11.70	11.80	—
Color Insulation	Black			Black
Insulation material	PVC-A			PVC-A
Sheath	Min	Mean	Max	
Sheath (Thickness)	1.30	1.40	1.45	تبصره :هرطرف از 1.24 کمتر نباشد
Overall Diameter	14.20	14.50	14.70	—
Jacket material	PVC-ST1			PVC-ST1
Volumetric resistance 70C	5x10 ¹⁰			10 ¹⁰
ELONGATION(Before Insulation aging)	280			150
ELONGATION (after Insulation aging)	267			150
TENSILE (Before Insulation aging)	14.15			12.5
TENSILE(after Insulation aging)	14.01			12.5
ELONGATION(amount of changes)	-4.64			±25
TENSILE (amount of changes)	-0.98			±25
ELONGATION(Before jacket aging)	240			150
ELONGATION (after jacket aging)	225			150

TENSILE (Before jacket aging)	14.25	12.5
TENSILE(after jacket aging)	14.04	12.5
ELONGATION(amount of changes)	-6.25	±25
TENSILE (amount of changes)	-1.47	±25
Long Term Res . To DC Voltage 8.4kv	No crack	No crack
Cable mark : ETEMAD CABLE CO.1x50 mm² NAYY 3569-1(0.6/1KV) 6668434966		
شماره پیامک اصالت کالا 10001517 MADE IN IRAN		