



ROUTINE TEST

Date :05/01/17
Type & Size: 1X25 NAYY

LV Power & Control Cables

Cable Elements	Results			Standard Value
Conductor:	AL-CLASS 2			AL-CLASS 2
Conductor (N0*Dia)	7x2.12			—
Conductor Resistance (Ω / km) At 20 °c (MAX)	1.18			1.20
Insulation:	Min	Mean	Max	
Thickness :	1.20	1.25	1.25	1.20
Nominal Diameter :	8.70	8.80	8.80	—
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	11.30	11.60	11.70	—
Jacket material	PVC-ST1			PVC-ST1
Volumetric resistance 70C	4.2x10 ¹⁰			10 ¹⁰
ELONGATION(Before Insulation aging)	291			150
ELONGATION (after Insulation aging)	270			150
TENSILE (Before Insulation aging)	14.32			12.5
TENSILE(after Insulation aging)	14.19			12.5
ELONGATION(amount of changes)	-7.21			±25
TENSILE (amount of changes)	-0.90			±25
ELONGATION(Before jacket aging)	240			150
ELONGATION (after jacket aging)	225			150

TENSILE (Before jacket aging)	15.00	12.5
TENSILE(after jacket aging)	14.78	12.5
ELONGATION(amount of changes)	-6.25	±25
TENSILE (amount of changes)	-1.46	±25
Long Term Res . To DC Voltage 8.4kv	No crack	No crack
Cable mark : ETEMAD CABLE CO.1x25 mm² NAYY 3569-1(0.6/1KV) 6668434966		
شماره پیامک اصالت کالا 10001517 MADE IN IRAN		