

ROUTINE TEST

Date :05/05/11
Type & Size: 2X50 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-Blue			Black-Blue
Insulation material	Xlpe			Xlpe
Filler	Min	Mean	Max	
Filler(thickness)	1.05	1.1	1.2	1
Filler(diameter)	23.9	24.20	24.60	—
Sheath	Min	Mean	Max	
Sheath (Thickness)	1.40	1.50	1.55	تبصره :هرطرف از 1.24 کمتر نباشد
Overall Diameter	26.70	27.20	27.70	—
Jacket material	PVC-ST1			PVC-ST1
Volumetric resistance 90C	3.2x10 ¹²			10 ¹²
ELONGATION(Before Insulation aging)	420			200
ELONGATION (after Insulation aging)	400			200
TENSILE (Before Insulation aging)	14.36			12.5
TENSILE(after Insulation aging)	14.19			12.5
ELONGATION(amount of changes)	-4.76			±25
TENSILE (amount of changes)	-1.18			±25

ELONGATION(Before jacket aging)	248	150
ELONGATION (after jacket aging)	231	150
TENSILE (Before jacket aging)	15.06	12.5
TENSILE(after jacket aging)	15.00	12.5
ELONGATION(amount of changes)	-6.85	±25
TENSILE (amount of changes)	-0.39	±25
Long Term Res . To DC Voltage 8.4kv	No crack	No crack
Cable mark : ETEMAD CABLE CO.2x50 mm² NA2XY 3569-1(0.6/1KV) 6668434966 شماره پیامک اصالت کالا 10001517 MADE IN IRAN		