



ROUTINE TEST

Date :05/05/01
Type & Size: 2X35 NA2XY

LV Power & Control Cables

Cable Elements	Results			Standard Value
Conductor:	AL-CLASS 2			AL-CLASS 2
Conductor (N0*Dia)	7x2.50			—
Conductor Resistance (Ω / km) At 20 °c (MAX)	0.858			0.868
Insulation:	Min	Mean	Max	
Thickness :	0.90	0.95	1.00	0.90
Nominal Diameter :	9.20	9.30	9.40	—
Color Insulation	Black-Blue			Black-Blue
Insulation material	Xlpe			Xlpe
Filler	Min	Mean	Max	
Filler(thickness)	1	1.05	1.1	1
Filler(diameter)	20.4	20.70	21.00	—
Sheath	Min	Mean	Max	
Sheath (Thickness)	1.40	1.45	1.50	تبصره :هرطرف از 1.24 کمتر نباشد
Overall Diameter	23.20	23.60	24.00	—
Jacket material	PVC-ST1			PVC-ST1
Volumetric resistance 90C	5.9x10 ¹²			10 ¹²
ELONGATION(Before Insulation aging)	500			200
ELONGATION (after Insulation aging)	472			200
TENSILE (Before Insulation aging)	14.98			12.5
TENSILE(after Insulation aging)	14.67			12.5
ELONGATION(amount of changes)	-5.6			±25
TENSILE (amount of changes)	-2.06			±25

ELONGATION(Before jacket aging)	258	150
ELONGATION (after jacket aging)	241	150
TENSILE (Before jacket aging)	14.99	12.5
TENSILE(after jacket aging)	14.69	12.5
ELONGATION(amount of changes)	-6.58	±25
TENSILE (amount of changes)	-2	±25
Long Term Res . To DC Voltage 8.4kv	No crack	No crack
Cable mark : ETEMAD CABLE CO.2x35 mm² NA2XY 3569-1(0.6/1KV) 6668434966 شماره پیامک اصالت کالا 10001517 MADE IN IRAN		