



ROUTINE TEST

LV Power & Control Cables

Date :05/05/01
Type & Size: 2X16 NA2XY

Cable Elements	Results			Standard Value
Conductor:	AL-CLASS 2			AL-CLASS 2
Conductor (N0*Dia)	7x1.70			—
Conductor Resistance (Ω / km) At 20 °c (MAX)	1.86			1.91
Insulation:	Min	Mean	Max	
Thickness :	0.70	0.75	0.80	0.70
Nominal Diameter :	6.50	6.55	6.60	—
Color Insulation	Black-Blue			Black-Blue
Insulation material	Xlpe			Xlpe
Filler	Min	Mean	Max	
Filler(thickness)	1	1	1.05	1
Filler(diameter)	15	15.10	15.20	—
Sheath	Min	Mean	Max	
Sheath (Thickness)	1.30	1.35	1.40	تبصره :هرطرف از 1.24 کمتر نباشد
Overall Diameter	17.60	17.80	18.00	—
Jacket material	PVC-ST1			PVC-ST1
Volumetric resistance 90C	2.9x10 ¹²			10 ¹²
ELONGATION(Before Insulation aging)	430			200
ELONGATION (after Insulation aging)	408			200
TENSILE (Before Insulation aging)	14.89			12.5
TENSILE(after Insulation aging)	14.70			12.5
ELONGATION(amount of changes)	-5.11			±25
TENSILE (amount of changes)	-1.27			±25

ELONGATION(Before jacket aging)	270	150
ELONGATION (after jacket aging)	253	150
TENSILE (Before jacket aging)	15.10	12.5
TENSILE(after jacket aging)	14.83	12.5
ELONGATION(amount of changes)	-6.29	±25
TENSILE (amount of changes)	-1.78	±25
Long Term Res . To DC Voltage 8.4kv	No crack	No crack
Cable mark : ETEMAD CABLE CO.2x16 mm² NA2XY 3569-1(0.6/1KV) 6668434966 شماره پیامک اصالت کالا 10001517 MADE IN IRAN		