



ROUTINE TEST

LV Power & Control Cables

Date :05/02/03
Type & Size: 2X16 NAYY

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 :	1.00	1.05	1.10	1.00
Nominal Diameter :	7.00	7.10	7.20	—
Color Insulation	Black-Blue			Black-Blue
Insulation material	PVC-A			PVC-A
Filler	Min	Mean	Max	
Filler(thickness)	1	1	1.05	1
Filler(diameter)	16.00	16.10	16.20	—
Sheath	Min	Mean	Max	
Sheath (Thickness)	1.30	1.35	1.40	تبصره :هرطرف از 1.24 کمتر نباشد
Overall Diameter	18.60	18.80	19.00	—
Jacket material	PVC-ST1			PVC-ST1
Volumetric resistance 70C	4.75x10 ¹⁰			10 ¹⁰
ELONGATION(Before Insulation aging)	265			150
ELONGATION (after Insulation aging)	240			150
TENSILE (Before Insulation aging)	14.28			12.5
TENSILE(after Insulation aging)	14.01			12.5
ELONGATION(amount of changes)	-9.43			±25
TENSILE (amount of changes)	-1.89			±25

ELONGATION(Before jacket aging)	234	150
ELONGATION (after jacket aging)	214	150
TENSILE (Before jacket aging)	14.67	12.5
TENSILE(after jacket aging)	14.50	12.5
ELONGATION(amount of changes)	-8.54	±25
TENSILE (amount of changes)	-1.15	±25
Long Term Res . To DC Voltage 8.4kv	No crack	No crack
Cable mark : ETEMAD CABLE CO.2x16 mm² NAYY 3569-1(0.6/1KV) 6668434966 شماره پیامک اصالت کالا 10001517 MADE IN IRAN		