اعتماد کابل ETEMAD CABLE	**ROUTINE TEST** **LV Power & Control Cables**			**Type & Size: 3x16 NYMHY**
Cable Elements	**Results**			**Standard Value**
Conductor:	**CU-CLASS 5**			**CU-CLASS 5**
Conductor (N0*Dia):	**234 x 0/280**			**—**
Conductor Resistance (Ω/ km) At 20 ^{0}c (MAX)	**1/20**			**1/21**
Insulation:	**Min**	**Mean**	**Max**	
Thickness:(mm)	**1/00**	**1/05**	**1/10**	
Nominal Diameter:(mm)	**7/10**	**7/20**	**7/30**	
Color Insulation	**Red-Yellow-Black**			**Red-Yellow-Black**
Insulation material	**PVC-A**			**PVC-A**
Filler	**Min**	**Mean**	**Max**	
Filler(thickness)(mm)	0/95	1	1/05	1
Filler(diameter)(mm)	17/40	17/50	17/60	
Sheath	**Min**	**Mean**	**Max**	
Sheath (Thickness)(mm)	**1/40**	**1/45**	**1/50**	**تبصره :هرطرف از 1.24 کمتر نباشد**
Overall Diameter(mm)	**20/20**	**20/40**	**20/60**	**—**
Jacket material	**PVC-ST1**			**PVC-ST1**
CAble Weight(g/m)	**860**			*****
Min Bending radius(mm)	**R=15 x d**			**R=15 x d**
Volumetric resistance 70C(Ω.cm)	**4/1x10^10**			**10^10**
ELONGATION(Before Insulation aging)(٪)	**248**			**150**
ELONGATION (after Insulation aging)(٪)	**232**			**150**
TENSILE (Before Insulation aging)(N/mm²)	**14/26**			**12/5**
TENSILE(after Insulation aging)(N/mm²)	**14/10**			**12/5**
ELONGATION(amount of changes)(٪)	**-6/45**			**±25**

TENSILE (amount of changes)(N/mm²)	-1/12	±25
ELONGATION(Before jacket aging)(٪)	238	150
ELONGATION (after jacket aging)(٪)	227	150
TENSILE (Before jacket aging)(N/mm²)	14/98	12/5
TENSILE(after jacket aging)(N/mm²)	14/81	12/5
ELONGATION(amount of changes)(٪)	-4/62	±25
TENSILE (amount of changes)(N/mm²)	-1/13	±25
Long Term Res . To DC Voltage 8.4kv	No crack	No crack
Cable mark : ETEMAD CABLE CO.3x16mm² NYMHY 3569-1(0.6/1KV) 6668434966 MADE IN IRAN 10001517 شماره پیامک اصالت کالا		