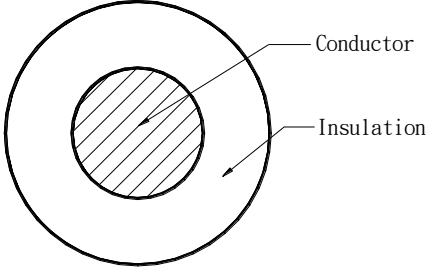


Product Specification

Part No.:BQ-912		Color	
AUTOMOBILE WIRES (DIN 0.5mmsq)		Per Request	
Cross Section			
			
Marking			
NIL			
Description		Performance	
Rated Temperature:	Static -40~105 Dynamic -25~105	Electrical Characteristics(Per DIN 72551-5):	
Stranded copper conductor		Conductor DC Resistance at 20°C (ohms/km)	34.1~37.1
Resistant to heat,oil,abrasion and cold		Volume Resistance(Ω .cm)	10 ¹⁰
Excellent flexibility		Dielectric Strength (kV/30min.)	1.0
Available in colors,stripes and ring marks		Breakdown Strength (AC,kV)	>=3.0
Application		Mechanical Characteristics(Per DIN 72551-5)	
Internal wiring in automobile where high flexibility, thermo and mechanical strength are required		Test Object :	Insulation
Reference Standard		Min .Tensile Strength (Mpa)	12
DIN 72551		Min .Elongation(%)	100%
Construction		Heat Shrinkage (150CX15MIN)	<=4%
Single		Pressure test at high temperature(80°C×4h×80g)	>=0.14mm
Conductor	Stranded Bare Copper	Cold Bend (-40°X0.5kg*4hrs)	No Crack (R=2mm)
Size(mm ²)	0.5	Accelerated aging Test (48hrsX110C ,2kV)	No Crack
Construction	19/0.186	Abrasion Test (7N)	>=200times
Stranded Dia. (mm)	0.93	Cold Shock(-20°C X2hrs)	not stave
Insulation	PVC	heat overload (120°C X48hrsX0.5kg)	not stave
Min. Thickness (mm)	0.25	Flame test after aging test(extinguishing time)	<30S
Nom. Thickness (mm)	0.31	Insulation stability test after aging test	per DIN 72551-5
Insulation Dia. (±0.08mm)	1.55	speedi-ness of usage lifespan:	
		1.Cold Shock(- 25°C×2h)	not stave
		2.oil-resistance:ASTM 3# oil(100°C×24h)	not stave
		3.Heat temperature 48h(110°C×48h)	not stave
		Note: other testing request per DIN 72551-5	
Sample Record			
Sample No. :		Rev.:	
Original spec no.:		Rev.:	
Ref. spec No. : SK-BQ-912		Rev.: 0	
Revision History			
Prepared by: MYQ 2012/11/19		Table No.:T100 Rev.: 0	
Approved by: CICIPHENG 2012/11/19		Page 1 of 1	