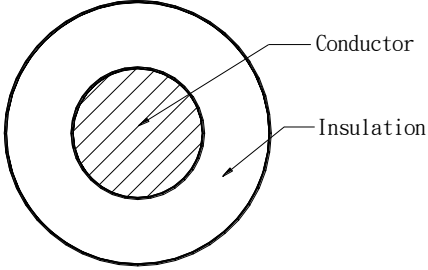


# Product Specification

<b>Part No.:BQ-912</b>		<b>Color</b>	
AUTOMOBILE WIRES (DIN 0.5mmsq)		Per Request	
<b>Cross Section</b>			
			
<b>Marking</b>			
NIL			
<b>Description</b>		<b>Performance</b>	
Rated Temperature:	Static            -40~105 Dynamic           -25~105	<b>Electrical Characteristics(Per DIN 72551-5):</b>	
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 <sup>10</sup>
Excellent flexibility		Dielectric Strength (kV/30min.)	1.0
Available in colors,stripes and ring marks		Breakdown Strength (AC,kV)	>=3.0
<b>Application</b>		<b>Mechanical Characteristics(Per DIN 72551-5)</b>	
Internal wiring in automobile where high flexibility, thermo and mechanical strength are required		Test Object :	Insulation
<b>Reference Standard</b>		Min .Tensile Strength (Mpa)	12
DIN 72551		Min .Elongation(%)	100%
<b>Construction</b>		Heat Shrinkage (150CX15MIN)	<=4%
<b>Single</b>		Pressure test at high temperature(80°C×4h×80g)	>=0.14mm
<b>Conductor</b>	<b>Stranded Bare Copper</b>	Cold Bend (-40°X0.5kg*4hrs)	No Crack (R=2mm)
Size(mm <sup>2</sup> )	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
<b>Insulation</b>	<b>PVC</b>	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	
<b>Sample Record</b>			
Sample No. :		Rev.:	
Original spec no.:		Rev.:	
Ref. spec No. : SK-BQ-912		Rev.: 0	
<b>Revision History</b>			
Prepared by:	MYQ	2012/11/19	Table No.:T100
Approved by:	CICICHENG	2012/11/19	Rev.: 0
			Page 1 of 1