



# Automotive Double Insulated

**Automotive Double Insulated Gas Conversion Cable V90**  
**90° C PVC Insulation and Sheathed to AS3191**

***RoHS Compliant***

**Application:** Gas Conversion  
**Conductor:** Plain Copper Conductor to AS1125  
**Insulation:** V90 to AS3191  
**Sheath:** V90 to AS3191  
**Colors:** Red core, black sheath.  
**Pack Size:** 30mt, 100mt

**Voltage Rating AC 50V / DC 120V to AS/NZS 3000:2000**

Code	Nearest SAE, (B&S) (AWG)	Number of Strands x wire Ø mm	Nominal Area mm <sup>2</sup>	Industry Equivalent mm	AMP Rating at 30°C	Average Sheath Thickness mm	Average Insulation Thickness mm	OFHC	Nominal O.D. mm	Mass Kg/100mt
								Max D.C. Resistance at 20°C m Ω/mt		
AGC116030	16 <sup>1</sup> / <sub>2</sub>	16/0.30	1.13	3.00	20	0.70	0.50	16.49	3.70	2.30
AGC126030	14 <sup>1</sup> / <sub>2</sub>	26/0.30	1.84	4.00	28	0.80	0.50	10.15	4.30	3.30
AGC141030	12 <sup>1</sup> / <sub>2</sub>	41/0.30	2.90	5.00	37	0.80	0.60	6.43	5.00	4.40
AGC165030	10 <sup>1</sup> / <sub>2</sub>	65/0.30	4.59	6.00	51	0.90	0.60	5.70	5.70	6.90

**NOTE: NOT SUITABLE FOR CONNECTION TO MAINS POWER SUPPLY.**

AMP RATING ARE BASED ON JASO D609:2001 single core AMBIENT TEMPERATURE AT 30°C

OFHC ( oxygen free high conductivity copper ) is employed in audio and industrial electronic units.

Features:

**1. High electric and thermal conductivity**

Since OFHC contains oxygen and impurities in very small quantities only,  
 it shows excellent electric conductivity and thermal conductivity  
 ( Oxygen and impurities reduce the conductivity )

**2. Excellent hydrogen embrittlement resistance**

( TPC ) Tough pitch copper becomes very brittle  
 when it is heated at higher than 600° C under a reduction gas atmosphere including hydrogen gas.  
 Since OFHC contains a very low oxygen content only, it does not show any brittleness

**Please Note!**

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