



# Automotive Single Core

**Single Core Automotive V90**

**90° C PVC Insulation to AS/NZS 3808:2000**

***RoHS Compliant***

<b>Application:</b>	General Automotive wiring
<b>Conductor:</b>	Plain Copper Conductor to AS1125
<b>Insulation:</b>	V90 to AS/NZS 3808:2000
<b>Colors:</b>	Red, Dk.Blue, White, Black, Brown, Violet, Orange, Grey , Yellow, Dk.Green and Pink
<b>Pack Size:</b>	30mt, 100mt, 500mt and 1000mt

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

Code	Nearest SAE, (B&S) (AWG)	Number of Strands x wire O/mm	Nominal Area mm <sup>2</sup>	Industry Equivalent mm	AMP Rating at 30°C	Average Insulation Thickness mm	OFHC	Nominal O.D. mm	Mass Kg/100mt
							Max D.C. Resistance at 20° C m Ω/mt		
AS116030	16 <sup>1</sup> / <sub>2</sub>	16/0.30	1.13	3.00	20	0.50	16.49	2.38	1.40
AS126030	14 <sup>1</sup> / <sub>2</sub>	26/0.30	1.84	4.00	28	0.50	10.15	2.70	2.10
AS141030	12 <sup>1</sup> / <sub>2</sub>	41/0.30	2.90	5.00	37	0.60	6.43	3.40	3.30
AS165030	10 <sup>1</sup> / <sub>2</sub>	65/0.30	4.59	6.00	51	0.60	4.06	3.95	4.90

**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**

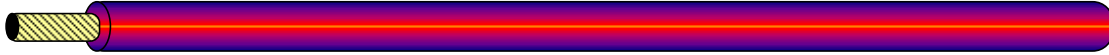
( TPC ) Tough pitch copper becomes very brittle

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!**

Austech Wire & Cable Pty. Ltd. takes every precaution to ensure that the information in this publication is correct but accepts no liability of any kind and reserves the right to change any detail in this catalogue without notification.

**Austech Wire & Cable** 11 Tarnard Drive, Braeside , Vic. 3195 Tel: (03) 9587 1712 Fax: (03) 9587 7563



# Automotive Single Core AVS

Single Core Automotive V90 HT

105<sup>0</sup> C PVC Insulation to Jaso D611-94

**RoHS Compliant**

**Application:** General Automotive wiring / Harness manufacture

**Conductor:** Plain Copper Conductor JIS C3102

**Insulation:** V90HT (V105<sup>0</sup> C) to AS/NZS 3808

**Pack Size:** 1000mt or to Customer's requirement

**Color** to Customer's requirement

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

Code	Number of Strands x wire Ø/mm	Nominal Area mm <sup>2</sup>	AMP Rating at 30 <sup>0</sup> C	Average Insulation Thickness mm	OFHC	Nominal O.D. mm	Mass Kg/100mt
					Max D.C. Resistance at 20 <sup>0</sup> C m Ω/mt		
AVS17032	7/0.32	0.56	13	0.50	32.70	1.90	
AVS116026	16/0.26	0.85	17	0.50	22.00	2.10	
AVS116032	16/0.32	1.29	23	0.50	14.30	2.40	
AVS126032	26/0.32	2.09	31	0.50	8.80	2.90	
AVS141032	41/0.32	3.30	42	0.60	5.50	3.55	
AVS165032	65/0.32	5.22	56	0.70	3.50	4.35	

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

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