



Automotive I win Sheath

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V90 PVC Insulation and Sheathed to AS3191

RoHS Compliant

Application: Trailer wiring
Conductor: Plain Copper Conductor to AS1125
Insulation: V90 to AS3191
Sheath: V90 to AS3191
Colors: Red & black cores, black sheath.
Pack Size: 30mt, 100mt and 500mt.

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 ²	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		
ATS27032	20	7/0.32	0.56	2.50	10	0.50	0.40	33.76	2.75x4.50	2.32
ATS29030	19	9/0.30	0.64	2.50	11	0.50	0.50	29.90	3.00x5.00	2.75
ATS216030	16 ¹ / ₂	16/0.30	1.13	3.00	16	0.45	0.50	16.50	3.40x6.80	4.09
ATS226030	14 ¹ / ₂	26/0.30	1.84	4.00	22	0.55	0.55	10.15	3.90x6.60	5.70
ATS241030	12 ¹ / ₂	41/0.30	2.9	5.00	29	0.65	0.60	6.43	4.60x8.00	8.40
ATS265030	10 ¹ / ₂	65/0.30	4.59	6.00	40	0.75	0.75	4.06	5.50x9.30	12.56
ATS2112030	8	112/0.30	7.92	-	74	1.20	0.80	2.40	8.00x13.40	14.08
ATS2189030	6	189/0.30	13.36	-	100	1.20	1.00	1.40	9.40x16.20	37.50

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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