



## AMC AUTO-TW

### Application

Low voltage wiring suitable for use across automotive, marine and industrial applications such as wire harnesses. High temperature, flame retardant and chemical resistant sheathing. Reduced insulation wall thickness gives considerable saving in weight and on volume especially in large harness construction. Good resistance to petrol, diesel, lubricating oils & diluted acids, as well as surface abrasion and cut through.

### Environmental statement

AMC take every action possible to ensure we are a sustainable, and environmentally aware manufacturer. End of life care; ensure that all cable product is disposed of inline with relevant WEEE Regulations.

### Specification

Voltage	12v/24v – 60v Max DC
Cores	Class 5 Conductor
Sheath	PVC
Operating Temperature	-40° to 105°C
Min Bend Radius	<6x OD

### Standards (Compliance / Certification)

BS EN 60228:2005	
ISO6722-1:2011 Class B	ISO19642-3
IEC60332.1.2	

Part No	Conductor Specification (mm)	Conductor Cross Section (mm <sup>2</sup> )	Maximum Overall Diameter (mm)	Nominal Current Rating (Amps)	Maximum Loading (Watts)		Maximum Resistance Per Metre at 20°C (Ohms)	Colour	Reel Sizes (Metres)
					12 Volts	24 Volts			
TW.35	12/0.20	0.35	1.40	7.0	84	168	0.0544	Single core cables are available in the following colours:  (R) RED, (B) BLACK, (G) GREEN, (LG) LIGHT GREEN, (U) BLUE, (Y) YELLOW, (N) BROWN, (P) PURPLE, (K) PINK, (S) SLATE GREY, (W) WHITE, (O) ORANGE.  Any combination of two of the above colours can be made available upon request	500
TW.5	16/0.20	0.5	1.60	11.0	132	264	0.0371		50, 100, 500
TW.75	24/0.20	0.75	1.75	14.0	168	336	0.0247		50, 100, 500
TW1.0	32/0.20	1.0	1.95	16.5	198	396	0.0185		30, 50, 100, 500
TW1.5	21/0.30	1.5	2.30	21.0	252	504	0.0127		50, 100, 500
TW2.0	28/0.30	2.0	2.55	25.0	300	600	0.00942		30, 50, 100, 500
TW2.5	35/0.30	2.5	2.75	29.0	348	696	0.00760		50, 100, 300
TW3.0	44/0.30	3.0	3.20	33.0	396	792	0.00615		30, 100, 300
TW4.0	56/0.30	4.0	3.50	39.0	468	936	0.00471		30, 100, 300
TW4.5	65/0.30	4.5	3.90	42.0	504	1008	0.00406		30, 100, 300
TW6.0	84/0.30	6.0	4.10	50.0	600	1200	0.00314		30, 100, 300
TW7.0	97/0.30	7.0	5.05	57.0	684	1368	0.00279		30, 100
TW8.5	120/0.30	8.5	5.50	63.0	756	1512	0.00220		30, 100
TW10.0	80/0.40	10.0	5.60	70.0	840	1680	0.00182		30, 100
TW16.0	126/0.40	16.0	7.30	110.0	1320	2640	0.00116		10, 30, 100
TW25.0	196/0.40	25.0	8.45	170.0	2040	4080	0.000743		10, 30, 100

### Typical Applications



HARNESS WIRING



VEHICLE LIGHTING & SIGNALLING SYSTEMS



CARAVANS AND MOTORHOMES



ENGINE & INSTRUMENT PANELS



SENSOR AND ACTUATORS

The conductor specifications shown are representative configurations; actual cable strand may differ slightly, but will meet the resistance values shown. Nominal current amperage ratings are provided as a guide only, and can vary depending on the application, condition and environmental factors. If in doubt, please consult a qualified electrician.