



Thin Wall Single Core Auto Cables

Application

Low voltage wiring suitable for use in automotive, marine and allied industries. High temperature, flame control and chemical resistant sheathing (per ISO 6722-1:2011).

Manufactured standards

Cores manufactured to ISO 6722-1:2011 class B

Conductor

Bare copper in accordance with BS EN 60228:2005

Sheath

PVC

Voltage rating

60v max DC

Operating temperature

-40° to 105°C, with excursions to 120°C

Flame propagation

Cores passed to ISO 6722-1:2011

Flame retardancy

Cores type tested, passed to IEC 60332-1-2

Minimum bend radius

<6x OD

Chemical resistance

Resistant to engine coolant, engine oil, salt water, windscreen washer fluid

BS softness

*60-65

Shore A hardness

*64-66

Test report no.

59834/59836/60587

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.

Part No	Conductor Specification (mm)	Conductor Cross Section (mm²)	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:	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	(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.	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	Any combination of two of the above colours can be made available upon request	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

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.

* Indicates values of the sheathing not the finished cable.