

THIN WALL AUTO CABLE

Thin Wall Auto is a low voltage cable, ideal for use in automotive and marine applications where its reduced insulation thickness and higher current carrying capacity both help to greatly reduce weight and volume in use. This is particularly important in the increasingly large and complex wiring harnesses used in today's smaller cars, where space and weight are at a premium. The cable's lead free, PVC polymer, hard grade insulation also offers excellent resistance to petrol, chemicals and abrasion, and has a wide working temperature range to 105°C.

SINGLE CORE THIN WALL AUTO



Semloh Code	Nominal Conductor Area (mm ²)	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available						Maximum Overall Cable Diameter (mm)	Conductor Resistance at 20°C (Ω per Km)	Conductor Nominal Current Rating (Amps)
			Bulk	500m	250m	100m	50m	30m			
TWA/0.5	0.5	16/0.20	■	■	■	■	■	■	1.6	37.10	11.0
TWA/0.75	0.75	24/0.20	■	■	■	■	■	■	1.9	24.70	14.0
TWA/1.0	1.0	32/0.20	■	■	■	■	■	■	2.1	18.50	16.5
TWA/1.5	1.5	30/0.25	■	■	■	■	■	■	2.4	12.70	21.0
TWA/2.0	2.0	28/0.30	■	■	■	■	■	■	2.7	9.42	25.0
TWA/2.5	2.5	50/0.25	■	■	■	■	■	■	3.0	7.60	29.0
TWA/3.0	3.0	44/0.30	■	■	■	■	■	■	3.2	6.00	33.0
TWA/4.0	4.0	56/0.30	■	■	■	■	■	■	3.7	4.70	39.0
TWA/4.5	4.5	65/0.30	■	■	■	■	■	■	4.0	4.06	42.0
TWA/6.0	6.0	84/0.30	■		■	■	■	■	4.3	3.20	50.0
TWA/8.5	8.5	120/0.30	■			■	■	■	5.4	2.20	63.0
TWA/10	10.0	80/0.40	■			■	■	■	6.0	1.82	70.0
TWA/16	16.0	126/0.40	■			■	■	■	7.9	1.16	110.0
TWA/25	25.0	196/0.40	■			■	■	■	9.4	0.75	170.0

- Individual conductors manufactured in compliance with BS EN60228:2005 and ISO 6722:2006 (Class B)
- Cable manufactured in accordance with BS 6862 Part 1:1971 where applicable
- Working temperature range -40°C to +105°C
- Maximum Voltage 60v - Suitable for most 12v and 24v Systems
- Hard grade PVC Insulation gives excellent resistance to abrasion, moisture, petrol/diesel, oil and diluted acids
 - Plain copper stranded conductors - PVC sheathed
- Available in a wide range of plain and striped outer PVC sheathed colours - please speak to our Sales Dept

TWO CORE (FLAT TWIN) THIN WALL AUTO



Semloh Code	Nominal Conductor Area (mm ²)	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available						Maximum Overall Cable Dimensions (mm)	Conductor Nominal Current Rating (Amps)
			Bulk	500m	250m	100m	50m	30m		
TWA205	2 x 0.5	2 x 16/0.20	■	■	■	■	■	■	5.5 x 3.5	11.0
TWA275	2 x 0.75	2 x 24/0.20	■	■	■	■	■	■	5.5 x 3.5	14.0
TWA210	2 x 1.0	2 x 32/0.20	■	■	■	■	■	■	5.5 x 3.5	16.5
TWA215	2 x 1.5	2 x 30/0.25	■		■	■	■	■	6.1 x 3.8	21.0
TWA220	2 x 2.0	2 x 28/0.30	■		■	■	■	■	6.6 x 3.8	25.0
TWA225	2 x 2.5	2 x 50/0.25	■			■	■	■	7.5 x 4.5	29.0
TWA230	2 x 3.0	2 x 44/0.30	■			■	■	■	7.5 x 4.5	33.0
TWA245	2 x 4.5	2 x 65/0.30	■			■	■	■	9.5 x 5.7	42.0

- Individual Conductors Manufactured in Compliance with BS EN60228:2005 and ISO 6722:2006 (Class B)
 - Cable manufactured in accordance with BS 6862 Part 1:1971 where applicable
- Working temperature range -15°C to +70°C • Plain copper stranded conductors - PVC sheathed
 - PVC insulation resistant to abrasion, moisture, petrol/diesel, oil and diluted acids
 - Outer PVC Sheath Colour : Black • Core PVC Insulation Colours : Red, Black

TWO CORE (ROUND) THIN WALL AUTO



Semloh Code	Nominal Conductor Area (mm ²)	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available						Maximum Overall Cable Dimensions (mm)	Conductor Nominal Current Rating (Amps)
			Bulk	500m	250m	100m	50m	30m		
TWA205R	2 x 0.5	2 x 16/0.20	■	■	■	■	■	■	5.0	11.0
TWA275R	2 x 0.75	2 x 24/0.20	■	■	■	■	■	■	5.5	14.0
TWA210R	2 x 1.0	2 x 32/0.20	■	■	■	■	■	■	5.7	16.5
TWA215R	2 x 1.5	2 x 30/0.25	■		■	■	■	■	6.5	21.0
TWA220R	2 x 2.0	2 x 28/0.30	■		■	■	■	■	6.7	25.0
TWA225R	2 x 2.5	2 x 50/0.25	■			■	■	■	8.3	29.0

- Individual Conductors Manufactured in Compliance with BS EN60228:2005 and ISO 6722:2006 (Class B)
 - Cable manufactured in accordance with BS 6862 Part 1:1971 where applicable
- Plain Copper Conductors - PVC Sheathed 70°C • Working temperature range -40°C to +90°C
 - PVC insulation resistant to abrasion, moisture, petrol/diesel, oil and diluted acids
 - Outer PVC Sheath Colour : Black • Core PVC Insulation Colours : Black, Red

MULTICORE THIN WALL AUTO



Semloh Code	Nominal Conductor Area (mm ²)	Conductor Stranding (No. of Wires/ Diameter mm)	Reel Sizes Available						Maximum Overall Cable Diameter (mm)	Conductor Nominal Current Rating (Amps)	Outer Sheath Colours	Inner Core Colours
			Bulk	500m	250m	100m	50m	30m				
TWA375	3 x 0.75	3 x 24/0.2	■			■	■	■	5.6	14.0	Black	Black Green Red
TWA310	3 x 1.0	3 x 32/0.2	■			■	■	■	5.6	16.5	Black	
TWA315	3 x 1.5	3 x 30/0.25	■			■	■	■	6.8	21.0	Black	
TWA320	3 x 2.0	3 x 28/0.3	■			■	■	■	7.3	25.0	Black	
TWA475	4 x 0.75	4 x 24/0.2	■			■	■	■	6.2	14.0	Black	Brown Green Red White
TWA410	4 x 1.0	4 x 32/0.2	■			■	■	■	6.2	16.5	Black	
TWA415	4 x 1.5	4 x 30/0.25	■			■	■	■	7.6	21.0	Black	
TWA575	5 x 0.75	5 x 24/0.2	■			■	■	■	6.4	14.0	Black	Brown Green Red White and Yellow
TWA510	5 x 1.0	5 x 32/0.2	■			■	■	■	6.4	16.5	Black	
TWA501N	4 x 1.0 and 1 x 2.0	4 x 32/0.2 and 1 x 28/0.3	■			■	■	■	7.8	16.5 and 25.0	Black	
TWA705	7 x 0.5	7 x 16/0.2	■			■	■	■	7.0	11.0	Black	Black Red Green Yellow Brown BIUe and White
TWA775	7 x 0.75	7 x 24/0.2	■			■	■	■	7.0	14.0	Black	
TWA710	7 x 1.0	7 x 32/0.2	■			■	■	■	7.4	16.5	Black	
TWA701N	6 x 1.0 and 1 x 2.0	6 x 32/0.2 and 1 x 28/0.3	■			■	■	■	7.9	16.5 and 25.0	Black	
TWA702S	6 x 1.5 and 1 x 2.5	6 x 30/0.25 and 1 x 50/0.25	■			■	■	■	10.2	21.0 and 29.0	Slate Grey	
TWA801	7 x 1.0 and 1 x 2.0	7 x 32/0.2 and 1 x 28/0.3	■			■	■	■	8.7	16.5 and 25.0	Black	BRGYNP and W
TWA100	9 x 1.0 and 1 x 2.0	9 x 32/0.2 and 1 x 28/0.3	■			■	■	■	9.8	16.5 and 25.0	Black	BOUNSGPR and W
TWA1300	8 x 1.5 and 5 x 2.5	8 x 30/0.25 and 5 x 50/0.25	■				■	■	12.4	21.0 and 29.0	Black	RKNUGBY W/U OS W/R W/B & W

- Individual Conductors Manufactured in Compliance with BS EN60228:2005 and ISO 6722:2006 (Class B)
 - Cable manufactured in accordance with BS 6862 Part 1:1971 where applicable
- Working temperature range -15°C to +70°C
- Plain Copper Stranded Conductors - PVC Sheathed
 - PVC insulation resistant to abrasion, moisture, petrol/diesel, oil and diluted acids
- Outer PVC Sheath Colour : Black or Slate Grey
- Core PVC Insulation Colours : As Table Above