

Mid Ulster

Rotating Electrics Ltd

Specialists in Starters, Alternators & Auto Electrical Parts

AUTOMARINE
CABLES & COMPONENTS

Thin Wall Low
Voltage Cable

THIN WALL LOW VOLTAGE CABLE

THIN WALL SINGLE CORE AUTO CABLES

High temperature thin wall low voltage wiring cables suitable for use in the automotive, marine and allied industries. These cables are specified as standard by manufacturers throughout Europe due to their high performance characteristics.

- Manufactured in accordance with ISO67221:2011 (Class B) 105°C
- Suitable for 12v and 24v systems (Maximum voltage 60v)
- Plain Copper Conductors PVC Insulated
- Suitable for use at temperatures from 40°C to +105°C with excursions up to +120°C
- Reduced insulation gives considerable savings in weight and volume especially when used in large wiring harnesses
- Good resistance to petrol, diesel, lubricating oils and diluted acids
- Good resistance to moisture
- Hard grade PVC insulation offers good resistance to abrasion and cut through



Part No	Conductor Specification (mm)	Conductor Cross Section (mm ²)	Nominal Current Rating (Amps)	Maximum Overall Diameter (mm)	Maximum Loading (Watts)		Resistance Per Metre at 20°C (Ohms)	Reel Sizes (Metres)
					12 Volts	24 Volts		
TW .35	12/0.20	0.35	7.0	1.4	84	168	0.0544	500
TW .5	16/0.20	0.5	11.0	1.6	132	264	0.0371	50, 100, 500
TW .75	24/0.20	0.75	14.0	1.9	168	336	0.0247	50, 100, 500
TW 1.0	32/0.20	1.0	16.5	2.1	198	396	0.0185	30, 50, 100, 500
TW 1.5	21/0.30	1.5	21.0	2.4	252	504	0.0127	50, 100, 500
TW 2.0	28/0.30	2.0	25.0	2.8	300	600	0.00942	30, 50, 100, 500
TW 2.5	35/0.30	2.5	29.0	3.0	348	696	0.00760	50, 100, 300
TW 3.0	44/0.30	3.0	33.0	3.4	396	792	0.00600	30, 100, 300
TW 4.0	56/0.30	4.0	39.0	3.7	468	936	0.00471	30, 100, 300
TW 4.5	65/0.30	4.5	42.0	4.1	504	1008	0.00406	30, 100, 300
TW 6.0	84/0.30	6.0	50.0	4.3	600	1200	0.00314	30, 100, 300
TW 7.0	97/0.30	7.0	57.0	5.1	684	1368	0.00279	30, 100
TW 8.5	120/0.30	8.5	63.0	5.6	756	1512	0.00220	30, 100
TW 10.0	80/0.40	10.0	70.0	6.0	840	1680	0.00182	30, 100
TW 16.0	126/0.40	16.0	110.0	7.2	1320	2640	0.00160	10, 30, 100
TW 25.0	196/0.40	25.0	170.0	8.7	2040	4080	0.000757	10, 30, 100

THIN WALL LOW VOLTAGE CABLE

THIN WALL 2 CORE AUTO CABLES (FLAT TWIN)

Cores manufactured to ISO67221:2011 (Class B) 105°C. Plain copper conductors PVC sheathed 70°C



Part No	Conductor Specification (mm)	Conductor Cross Section (mm ²)	Nominal Current Rating (Amps)	Maximum Overall Dimensions (mm)	Sheath Colour	Core Colours	Reel Sizes (Metres)
TW02/06	2 x 16/0.20	2 x 0.5	11.0	3.5 x 5.5	Black	Black Red	30 100
TW02/04	2 x 24/0.20	2 x 0.75	14.0	3.5 x 5.5	Black		30 100
TW02/01	2 x 32/0.20	2 x 1.0	16.5	3.0 x 5.0	Black		30 50 100 500
TW02/05	2 x 21/0.30	2 x 1.5	21.0	3.4 x 5.7	Black		30 100
TW02/02	2 x 28/0.30	2 x 2.0	25.0	3.5 x 6.1	Black		30 50 100
TW02/07	2 x 35/0.30	2 x 2.5	29.0	3.8 x 6.6	Black		30 100
TW02/08	2 x 44/0.30	2 x 3.0	33.0	4.4 x 7.6	Black		30 100
TW02/09	2 x 65/0.30	2 x 4.5	42.0	5.7 x 9.5	Black		30 100

THIN WALL LOW VOLTAGE CABLE

THIN WALL 2 CORE AUTO CABLES (ROUND TWIN)

Cores manufactured to ISO 67221: 2011 (Class B) 105°C . Plain copper conductors PVC sheathed 70°C



Part No	Conductor Specification (mm)	Conductor Cross Section (mm ²)	Nominal Current Rating (Amps)	Maximum Overall Diameter (mm)	Sheath Colour	Core Colours	Reel Sizes (Metres)
TW02/21	2 x 16/0.20	2 x 0.5	11.0	5.0	Black	Black Red	30 100
TW02/22	2 x 24/0.20	2 x 0.75	14.0	5.5	Black		30 100
TW02/03	2 x 32/0.20	2 x 1.0	16.5	4.9	Black		30 100
TW02/25	2 x 21/0.30	2 x 1.5	21.0	6.5	Black		30 100
TW02/24	2 x 28/0.30	2 x 2.0	25.0	6.8	Black		30 100
TW02/26	2 x 35/0.30	2 x 2.5	29.0	8.3	Black		30 100

THIN WALL LOW VOLTAGE CABLE

THIN WALL 3 CORE AUTO CABLES

Cores manufactured to ISO 67221:2011 (Class B) 105°C. Plain copper conductors PVC sheathed 70°C



Part No	Conductor Specification (mm)	Conductor Cross Section (mm ²)	Nominal Current Rating (Amps)	Maximum Overall Diameter(mm)	Sheath Colour	Core Colours	Reel Sizes (Metres)
TW03/03	3 x 24/0.20	3 x 0.75	14.0	5.7	Black	Black Red Green	30 100
TW03/01	3 x 32/0.20	3 x 1.0	16.5	5.6	Black		30 100
TW03/04	3 x 21/0.30	3 x 1.5	21.0	5.9	Black		30 100
TW03/02	3 x 28/0.30	3 x 2.0	25.0	7.3	Black		30 100

THIN WALL LOW VOLTAGE CABLE

THIN WALL 4 CORE AUTO CABLES

Cores manufactured to ISO 67221:2011 (Class B) 105°C. Plain copper conductors PVC sheathed 70°C



Part No	Conductor Specification (mm)	Conductor Cross Section (mm ²)	Nominal Current Rating (Amps)	Maximum Overall Diameter (mm)	Sheath Colour	Core Colours	Reel Sizes (Metres)
TW04/02	4 x 24/0.20	4 x 0.75	14.0	5.8	Black	Brown Green Red White	30 100
TW04/01	4 x 32/0.20	4 x 1.0	16.5	5.8	Black		30 100
TW04/03	4 x 21/0.30	4 x 1.5	21.0	7.6	Black		30 100

THIN WALL LOW VOLTAGE CABLE

THIN WALL 5 CORE AUTO CABLES

Cores manufactured to ISO 67221:2011 (Class B) 105°C. Plain copper conductors PVC sheathed 70°C.



Part No	Conductor Specification (mm)	Conductor Cross Section (mm ²)	Nominal Current Rating (Amps)	Maximum Overall Diameter (mm)	Sheath Colour	Core Colours	Reel Sizes (Metres)
TW05/02	5 x 24/0.20	5 x 0.75	14.0	6.3	Black	Brown Green Red White Yellow	30, 100
TW05/01	5 x 32/0.20	5 x 1.0	16.5	6.3	Black		30, 100
TW05/03	4 x 32/0.20 1 x 28/0.30	4 x 1.0 1 x 2.0	16.5 25.0	7.6	Black		30, 100

THIN WALL LOW VOLTAGE CABLE

THIN WALL 7 CORE AUTO CABLES

Cores manufactured to ISO6722 1:2011 (Class B) 105°C. Plain copper conductors PVC sheathed 70°C.



Part No	Conductor Specification (mm)	Conductor Cross Section (mm ²)	Nominal Current Rating (Amps)	Maximum Overall Diameter (mm)	Sheath Colour	Core Colours	Reel Sizes (Metres)
TW07/03	7 x 16/0.20	7 x 0.5	11.0	6.0	Black	Black Red Green Yellow Brown White Blue	30 100
TW07/01	7 x 24/0.20	7 x 0.75	14.0	6.8	Black		30 100
TW07/04	7 x 32/0.20	7 x 1.0	16.5	7.4	Black		30 100
TW07/02	6 x 32/0.20 1 x 28/0.30	6 x 1.0 1 x 2.0	16.5 25.0	8.3	Black		30 100
TW07/07	6 x 21/0.30 1 x 35/0.30	6 x 1.5 1 x 2.5	21.0 29.0	10.1	Grey		30 100

THIN WALL LOW VOLTAGE CABLE

THIN WALL 8 CORE AUTO CABLE

Cores manufactured to ISO 67221:2011 (Class B) 105°C. Plain copper conductors PVC sheathed 70°C.



Part No	Conductor Specification (mm)	Conductor Cross Section (mm ²)	Nominal Current Rating (Amps)	Maximum Overall Diameter (mm)	Sheath Colour	Core Colours	Reel Sizes (Metres)
TW08/01	7 x 32/0.20	7 x 1.0	16.5	8.5	Black	Black Red Blue Yellow Purple Brown White Green	50 100
	1 x 28/0.30	1 x 2.0	25.0				

THIN WALL LOW VOLTAGE CABLE

THIN WALL 10 CORE AUTO CABLE

Cores manufactured to ISO 67221:2011 (Class B) 105°C. Plain copper conductors PVC sheathed 70°C.



Part No	Conductor Specification (mm)	Conductor Cross Section (mm ²)	Nominal Current Rating (Amps)	Maximum Overall Diameter (mm)	Sheath Colour	Core Colours	Reel Sizes (Metres)
TW10/01	9 x 32/0.20	9 x 1.0	16.5	10.6	Black	Black Red Green Grey Blue Yellow Brown Orange Purple White	50 100
	1 x 28/0.30	1 x 2.0	25.0				

THIN WALL LOW VOLTAGE CABLE

THIN WALL 13 CORE AUTO CABLES

Cores manufactured to ISO 67221:2011 (Class B) 105°C. Plain copper conductors PVC sheathed 70°C.



Part No	Conductor Specification (mm)	Conductor Cross Section (mm ²)	Nominal Current Rating (Amps)	Maximum Overall Diameter of Cable (mm)	Sheath Colour	Core Colours	Reel Sizes (Metres)
TW13/01	12 x 21/0.30	12 x 1.5	21.0	12.0	Black	Yellow Blue Green Brown Red/Black Black Red Pink Purple Grey White Light Brown Orange	50
	1 x 35/0.30	1 x 2.5	29.0				
TW13/02	8 x 30/0.25	8 x 1.5	21.0	12.8	Black	Yellow Blue Green Brown White Black Red Pink Orange Grey White/Black White/Blue White/Red	10 30 50
	5 x 50/0.25	5 x 2.5	29.0				