

THIN WALL AUTO CABLES

AM Part No's:- TW0.35 – TW25.0

Profile:

Thin Wall low voltage wiring cables suitable for use in the automotive, marine and allied industries. Resistant to petrol, diesel, lubricating oils and diluted acids. Reduced insulation gives considerable savings in weight and volume especially when used in large wiring harnesses. The hard grade PVC insulation offers good resistance to abrasion and cut through. Suitable for use at temperatures from -40°C to +105°C with short excursions up to 120°C.

Self extinguishes within 70 seconds

Manufactured in accordance with ISO6722-2011 Class B

Insulation Properties:

Calcium Zinc based hard grade PVC insulation compound to meet requirements of ISO900-2000 Class B

Tensile Strength	24N/mm ²
Elongation at break:	300%
Specific Gravity	1.34 g/cc
Shore "A" Hardness: (@15 secs)	-
Shore "D" Hardness (@15 secs)	56
Volume Resistivity @ 23°C:	15 Log ohm.cm
BS Softness	-
Static Thermal Stability	200 mins@200C

Plain copper wires conforming to BS6360

Copper Properties & Cable Dimensions

Part No.	Copper	Cross Section (mm)	Current Rating (amps)	Resistance @ 20°C (mΩ/m)	ISO 6722 Outside Dia's (mm)	
					min	max
TW0.35	12/0.2	0.35	8.0	51.9	1.20	1.40
TW0.5	16/0.2	0.5	11.0	37.1	1.40	1.60
TW0.75	24/0.2	0.75	14.0	24.7	1.70	1.90
TW1.0	32/0.2	1.0	16.5	18.5	1.90	2.10
TW1.5	21/0.3	1.5	21.0	12.7	2.20	2.40
TW2.0	28/0.3	2.0	25.0	9.42	2.50	2.80
TW2.5	35/0.3	2.5	29.0	7.60	2.70	3.00
TW3.0	44/0.3	3.0	33.0	6.00	3.10	3.40
TW4.0	56/0.3	4.0	39.0	4.71	3.40	3.70
TW4.5	65/0.3	4.5	42.0	4.06	3.70	4.00
TW6.0	84/0.3	6.0	50.0	3.14	4.00	4.30
TW8.5	120/0.3	8.5	63.0	2.20	5.40	5.70
TW10.0	80/0.4	10.0	70.0	1.82	5.50	6.00
TW16.0	126/0.4	16.0	110	1.60	7.00	7.90
TW25.0	196/0.4	25.0	170	0.75	8.50	9.40

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