

TINNED COPPER 2 CORE FLAT TWIN CABLES



Application; low voltage copper cable with a tinned galvanised coating to increase corrosion resistance, suitable for harsher environments such as marine applications. High temperature, flame control and chemical resistant sheathing (per ISO 6722-1:2011).

Manufactured standards; *ISO 6722-1:2011 class B

Conductor; Tinned copper in accordance with BS EN 60228:2005

Sheath; PVC

Voltage rating; 60v max

Operating temperature; -40° to 105°C, with excursions to 120°C

Flame propagation; *Passed to ISO 6722-1:2011

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

AMC part no.	Conductor specification (mm)	Conductor cross section (mm2)	Maximum overall diameter (mm)	Nominal current rating (Amps)	Sheath Colour	Core Colours	Reel sizes (metres)
CM02/01	2 x 32/0.20	2 x 1.0	3.0 x 5.0	16.5	Black	Black, Red	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 the manufacturing standard applicable to the cores only.*

*** Indicates values of the sheathing compounds not the finished cable.*



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TINNED COPPER 2 CORE ROUND CABLES



Application; low voltage copper cable with a tinned galvanised coating to increase corrosion resistance, suitable for harsher environments such as marine applications. High temperature, flame control and chemical resistant sheathing (per ISO 6722-1:2011).

Manufactured standards; *ISO 6722-1:2011 class B

Conductor; Tinned copper in accordance with BS EN 60228:2005

Sheath; PVC

Voltage rating; 60v max

Operating temperature; -40° to 105°C, with excursions to 120°C

Flame propagation; *Passed to ISO 6722-1:2011

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

AMC part no.	Conductor specification (mm)	Conductor cross section (mm2)	Maximum overall diameter (mm)	Nominal current rating (Amps)	Sheath Colour	Core Colours	Reel sizes (metres)
CM02/03	2 x32/0.20	2 x 1.0	5.0	16.5	Black	Black, Red	30, 100

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TINNED COPPER 2 CORE FLAT TWIN CABLES



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Manufactured standards; *ISO 6722-1:2011 class B

Conductor; Tinned copper in accordance with BS EN 60228:2005

Sheath; PVC

Voltage rating; 60v max

Operating temperature; -40° to 105°C, with excursions to 120°C

Flame propagation; *Passed to ISO 6722-1:2011

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

AMC part no.	Conductor specification (mm)	Conductor cross section (mm2)	Maximum overall diameter (mm)	Nominal current rating (Amps)	Sheath Colour	Core Colours	Reel sizes (metres)
CM02/05	2 x 21/0.30	2 x 1.5	3.5 x 5.8	21	Black, White	Black, Red	30, 100
CM02/07	2 x 35/0.30	2 x 2.5	3.9 x 6.7	29	Black	Black, Red	30, 100

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Manufactured standards; *ISO 6722-1:2011 class B

Conductor; Tinned copper in accordance with BS EN 60228:2005

Sheath; PVC

Voltage rating; 60v max

Operating temperature; -40° to 105°C, with excursions to 120°C

Flame propagation; *Passed to ISO 6722-1:2011

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

AMC part no.	Conductor specification (mm)	Conductor cross section (mm2)	Maximum overall diameter (mm)	Nominal current rating (Amps)	Sheath Colour	Core Colours	Reel sizes (metres)
CM02/25	2 x 21/0.30	2 x 1.5	6.4	21	Black	Black, Red	30, 100
CM02/26	2 x 35/0.30	2 x 2.5	6.7	29	Black	Black, Red	30, 100

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TECHNICAL DATA SHEET

2 CORE 4MM ROUND TWIN THIN WALL MARINE CABLE

Profile:

Thin Wall low voltage tinned copper multicore wiring cables suitable for use in the marine industry.
Resistant to petrol, diesel, lubricating oils and diluted acids.
Suitable for use at temperatures up to 105°C.

Insulation Properties:

Calcium Zinc based insulation compound to ISO6722-2011 Class B

Tensile Strength	24.0 N / mm ²
Elongation at break	300%
Shore "D" Hardness:	56 @ 15 secs
Specific Gravity	1.34g / cc
Thermal Stability	200 mins @ 200°C

Sheath Properties

Easy tear PVC sheathing to	BS7655 Type 6
Tensile Strength	9.0 N / mm ²
Elongation at break	260%
Shore "A" Hardness	79
Specific Gravity	1.60g / cc
BS Softness	36
Thermal Stability	70 mins @ 200°C

COPPER STRAND PROPERTIES

Tinned Copper wires conforming to BS EN 60228

Part No.	Copper	Cross Section (mm)	Current Rating (amps)	Overall Dim'ns (mm)
S2129-01	2 x 56 / 0.30	2 x 4.0	39.0	8.6

TINNED COPPER 3 CORE CABLES



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Manufactured standards; *ISO 6722-1:2011 class B

Conductor; Tinned copper in accordance with BS EN 60228:2005

Sheath; PVC

Voltage rating; 60v max

Operating temperature; -40° to 105°C, with excursions to 120°C

Flame propagation; *Passed to ISO 6722-1:2011

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

AMC part no.	Conductor specification (mm)	Conductor cross section (mm2)	Maximum overall diameter (mm)	Nominal current rating (Amps)	Sheath Colour	Core Colours	Reel sizes (metres)
CM03/04	3 x 21/0.30	3 x 1.5	6.1	21	Black, White	Black, Green, Red	30, 100
CM03/05	3 x 35/0.30	3 x 2.5	7.4	29	Black	Black, Green, Red	30, 100

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TINNED COPPER 5 CORE CABLES



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Manufactured standards; *ISO 6722-1:2011 class B

Conductor; Tinned copper in accordance with BS EN 60228:2005

Sheath; PVC

Voltage rating; 60v max

Operating temperature; -40° to 105°C, with excursions to 120°C

Flame propagation; *Passed to ISO 6722-1:2011

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

AMC part no.	Conductor specification (mm)	Conductor cross section (mm2)	Maximum overall diameter (mm)	Nominal current rating (Amps)	Sheath Colour	Core Colours	Reel sizes (metres)
CM05/04	5 x 21/0.30	5 x 1.5	8	21	Black	Brown, Green, Red, White, Yellow	30, 100
CM05/05	5 x 35/0.30	5 x 2.5	9.4	29	Black	Brown, Green, Red, White, Yellow	30, 100

The conductor specifications shown are representative configurations; actual cable strand may differ slightly, but will meet the resistance values shown.

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TINNED COPPER 7 CORE CABLES



Application; low voltage copper cable with a tinned galvanised coating to increase corrosion resistance, suitable for harsher environments such as marine applications. High temperature, flame control and chemical resistant sheathing (per ISO 6722-1:2011).

Manufactured standards; *ISO 6722-1:2011 class B

Conductor; Tinned copper in accordance with BS EN 60228:2005

Sheath; PVC

Voltage rating; 60v max

Operating temperature; -40° to 105°C, with excursions to 120°C

Flame propagation; *Passed to ISO 6722-1:2011

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

AMC part no.	Conductor specification (mm)	Conductor cross section (mm ²)	Maximum overall diameter (mm)	Nominal current rating (Amps)	Sheath Colour	Core Colours	Reel sizes (metres)
CM07/05	7 x 21/0.30	7 x 1.5	8.5	21	Black	Black, Red, Green, Yellow, Brown, White, Blue	30, 100
CM07/06	7 x 35/0.30	7 x 2.5	10.7	29	Black	Black, Red, Green, Yellow, Brown, White, Blue	30, 100

The conductor specifications shown are representative configurations; actual cable strand may differ slightly, but will meet the resistance values shown.

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