



# TINNED COPPER OR PLAIN COPPER

RoHS compliant

AS3191

## SINGLE CORE FLEXIBLE

### V90HT PVC INSULATED 250/440 VOLT to AS3191



**Applications:** Wiring of Communication, Electronic Equipment and Switchboards

**Conductor:** Tinned Copper Wire (TCW) or Plain Copper Wire (PCW) to AS1125

**Insulation:** RoHS Compliant V90HT (105) PVC to AS3808

**Colours:** Red, Blue, Green, Yellow, White, Black, Brown, Violet, Orange, Grey - Stripes available by request

**Packs:** 100, 500, 1000 metres, bulk drum

TCW (Tinned Copper Wire)	PCW (Plain Copper Wire)	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm <sup>2</sup> )	AMP RATING	INSULATION THICKNESS (mm)	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
FVT11602	FVD11602	16/0.20	0.5	3.0	0.6	40.1	2.2	0.9
FVT12402	FVD12402	24/0.20	0.75	7.5	0.6	26.7	2.4	1.2
FVT13202	FVD13202	32/0.20	1.0	10.0	0.6	20.0	2.6	1.5

NOTE: \* Available in U.L. Style 10237 By Request

## SINGLE CORE FLEXIBLE

### V90HT PVC INSULATED 0.6/1KV to AS3191



**Applications:** For Electrical Interconnections

**Conductor:** Tinned Copper Wire (TCW) or Plain Copper Wire (PCW) to AS1125

**Insulation:** RoHS Compliant V90HT (105) PVC AS3808

**Colours:** Red, Blue, Green, Yellow, White, Black, Brown, Violet, Orange, Grey - Stripes available by request

**Packs:** 100, 500, 1000 metres, bulk drum

TCW (Tinned Copper Wire)	PCW (Plain Copper Wire)	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm <sup>2</sup> )	AMP RATING	INSULATION THICKNESS (mm)	TCW ELECTRICAL RESISTANCE @20°C (ohm/km)	PCW ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
FVK11602	FVH11602	16/0.20	0.5	3.0	0.8	40.1	39.0	2.60	1.10
FVK12402	FVH12402	24/0.20	0.75	7.5	0.8	26.7	26.0	2.80	1.40
FVK13202	FVH13202	32/0.20	1.0	10.0	0.8	20.0	19.5	3.00	1.70
FVK130025	FVH130025	30/0.25	1.5	15.0	0.8	13.7	13.3	3.15	2.20
FVK150025	FVH150025	50/0.25	2.5	20.0	0.9	8.2	8.0	3.80	3.50
FVK15603	FVH15603	56/0.30	4.0	25.0	1.0	5.1	5.0	4.75	5.30

NOTE: \* Available in U.L. Style 1015 By Request

## FLEXIBLE

## LIGHT DUTY CIRCULAR



### 250/250 VOLT PVC INSULATED & SHEATHED to AS3191

**Applications:** Lighting, Appliance and Control Wiring

**Conductor:** OXYGEN FREE Plain Copper Wire to AS1125

**Insulation:** RoHS Compliant V75 PVC to AS3808

**Core Colours:** 2 core: Brown, Light Blue

3 core: Brown, Light Blue, Green/Yellow

**Sheath:** RoHS Compliant 4V75 PVC to AS3808

**Sheath Colours:** White, Grey, Black

**Packs:** 100, 500 metres, bulk drum

CODE	NO. OF CORES	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm <sup>2</sup> )	AMP RATING	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
FML22402	2	24/0.20	0.75	7.5	0.5	0.6	26	5.60	5.0
FML32402	3	24/0.20	0.75	7.5	0.5	0.6	26	5.90	6.0



# OXYGEN FREE COPPER

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## FLEXIBLE

## LIGHT DUTY FLAT



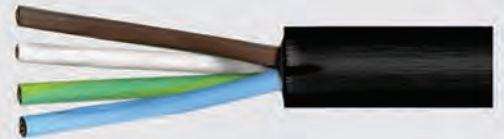
### 250/250 VOLT PVC INSULATED & SHEATHED to AS3191

- Applications:** Appliance, Lighting and Control Wiring  
**Conductor:** OXYGEN FREE Plain Copper Wire to AS1125  
**Insulation:** RoHS Compliant V75 PVC to AS3808  
**Core Colours:** **Brown, Light Blue**  
**Sheath:** RoHS Compliant 4V75 PVC to AS3808  
**Sheath Colours:** **White, Black**  
**Packs:** 100, 500 metres, bulk drum

CODE	NO. OF CORES	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm <sup>2</sup> )	AMP RATING	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
FMN21602	2	16/0.20	0.5	3.0	0.5	0.6	39.0	3.35x5.35	3.1
FMN22402	2	24/0.20	0.75	7.5	0.5	0.6	26.0	3.55x5.75	3.7

## FLEXIBLE

## ORDINARY DUTY CIRCULAR



### 250/440 VOLT PVC INSULATED & SHEATHED to AS3191

- Applications:** Lighting, Appliance, Plug Leads  
**Conductor:** OXYGEN FREE Plain Copper Wire to AS1125  
**Insulation:** RoHS Compliant V75 PVC to AS3808  
**Core Colours:** **2 core: Brown, Light Blue**  
**3 core: Brown, Light Blue, Green/Yellow**  
**4 core: Brown, White, Light Blue, Green/Yellow**  
**5 core: Brown, White, Orange, Light Blue, Green/Yellow**  
**Sheath:** RoHS Compliant 4V75 PVC AS3808  
**Sheath Colours:** **White, Grey, Orange, Black**  
**Packs:** 100, 500 metres, bulk drum - depending on product type

CODE	NO. OF CORES	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm <sup>2</sup> )	AMP RATING	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
FMC22402	2	24/0.20	0.75	7.5	0.6	0.8	26	6.30	5.6
FMC23202	2	32/0.20	1.0	10.0	0.6	0.8	19.5	6.70	6.5
FMC230025	2	30/0.25	1.5	15.0	0.7	0.8	13.3	7.7	8.7
FMC32402	3	24/0.20	0.75	7.5	0.6	0.8	26	6.7	6.7
FMC33202	3	32/0.20	1.0	10	0.6	0.8	19.5	7.0	7.7
FMC330025	3	30/0.25	1.5	15	0.7	0.9	13.3	8.3	10.8
FMC350025	3	50/0.25	2.5	20	0.8	1.1	8.0	10.1	17.3
FMC35603	3	56/0.30	4.0	25	0.8	1.1	5.0	11.7	22.8
FMC42402	4	24/0.20	0.75	7.5	0.6	0.8	26	7.3	8.0
FMC43202	4	32/0.20	1.0	10	0.6	0.9	19.5	7.9	9.8
FMC430025	4	30/0.25	1.5	15	0.7	1.0	13.3	9.2	13.6
FMC450025	4	50/0.25	2.5	20	0.8	1.1	8.0	11.2	20.5
FMC45603	4	56/0.30	4.0	25	0.8	1.1	5.0	12.9	2.08
FMC52402	5	24/0.20	0.75	7.5	0.6	0.9	26	8.2	10.2
FMC53202	5	32/0.20	1.0	10	0.6	0.9	19.5	8.6	12.3
FMC530025	5	30/0.25	1.5	15	0.7	1.1	13.3	10.3	16.8
FMC550025	5	50/0.25	2.5	20	0.8	1.2	8.0	12.3	25.4
FMC55603	5	56/0.30	4.0	25	0.8	1.2	5.0	14.3	35.0





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## FLEXIBLE HEAVY DUTY CIRCULAR



### 0.6/1KV PVC INSULATED & SHEATHED to AS3191

- Applications:** Extension Leads for Heavy Duty Applications  
**Conductor:** OXYGEN FREE Plain Copper Wire to AS1125  
**Insulation:** RoHS Compliant V75 PVC to AS3808  
**Core Colours:** 3 core: **Brown, Light Blue, Green/Yellow**  
 4 core: **Brown, White, Light Blue, Green/Yellow**  
 5 core: **Brown, White, Orange Light Blue, Green/Yellow**  
**Sheath:** RoHS Compliant 4V75 PVC to AS3808  
**Sheath Colours:** **Grey, Orange**  
**Packs:** 100, 500 metres, bulk drum - depending on product type

CODE	NO. OF CORES	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm <sup>2</sup> )	AMP RATING	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
FMH33202	3	32/0.20	1.0	10	0.8	1.4	19.5	9.0	11.9
FMH330025	3	30/0.25	1.5	15	0.8	1.6	13.3	10.1	14.4
FMH350025	3	50/0.25	2.5	20	0.9	1.8	8.0	12.0	21.5
FMH43202	4	32/0.20	1.0	10	0.8	1.5	19.5	10.1	14
FMH430025	4	30/0.25	1.5	15	0.8	1.7	13.3	11.2	18.2
FMH450025	4	50/0.25	2.5	20	0.9	1.9	8.0	13.1	27
FMH550025	5	50/0.25	2.5	20	0.9	2.0	8.0	14.4	32.5

## FIGURE 8 (PARALLEL WEBBED)

### 250/250 VOLT PVC INSULATED to AS3191



- Applications:** Wiring of Audio, Electronic and Allied Equipment  
**Conductor:** OXYGEN FREE Plain Copper Wire to AS1125  
**Insulation:** RoHS Compliant V75 PVC to AS3808  
**Colours:** **White, Black, Brown, Grey - Stripe combinations available**  
**Packs:** 100, 500 metres, bulk drum

CODE	CORES	NEAREST SAE (B&S) (AWG)	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm <sup>2</sup> )	AMP RATING	INSULATION THICKNESS (mm)	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
FFC21602	2	20	16/0.20	0.5	3.0	0.8	39	2.60x5.60	2.2
FFC22402	2	18.5	24/0.20	0.75	7.5	0.8	26	2.80x6.00	2.8

NOTE: (i) FFC22402 Austel Approved - CCLA93/CA/0098

Manufactured by



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