



Specification Table

Part Number	: Varies with colour and packing.	
Description	: 16mm ² Flex Plain Copper, PVC Insulated, 600/1000V, Type BK, BS 6231.	
Conductors*	: 16mm ² (approx. 126/0.4mm) plain annealed copper bunch meeting the requirements of BS 6360, class 5. : Maximum resistance at 20°C : 1.21Ω/km.	
Insulation	: Type TI 1 PVC compound meeting the requirements of BS EN 50363. : Minimum insulation resistance at 70°C : 0.0048MΩkm. : Minimum average radial thickness : 1.0mm. : Minimum overall diameter : 6.7mm. : Maximum overall diameter : 9.0mm.	
Lay Up	: Not applicable.	
Screen	: Not applicable.	
Sheath	: Not applicable.	
Service Data	: For use as the internal wiring of switch, control, metering, relay and instrument panels of power switchgear, and for the internal connections of rectifier equipment and motor starters and controllers. : Rated Voltage (Uo/U) : 600/1000V ac. : Maximum operating (conductor) temperature : +70°C. : Minimum ambient temperature (once installed, not subject to flexing) : -20°C. : Maximum current rating at 30°C ambient temperature (free air , single cable) : 105A. : Approximate mass/unit length : 182kg/km.	

Note : * "Conductors" to "Conductors (This is a nominal number of strands. All wires made to meet minimum cross-sectional area and maximum resistance as set in BS specification.)"

Specification Table

Part Number	: Varies with colour and packing.	
Description	: 25mm ² Flex Plain Copper, PVC Insulated, 600/1000V, Type BK, BS 6231.	
Conductors*	: 25mm ² (approx. 196/0.4mm) plain annealed copper bunch meeting the requirements of BS 6360, class 5. : Maximum resistance at 20°C : 0.780 Ω/km.	
Insulation	: Type TI 1 PVC compound meeting the requirements of BS EN 50363. : Minimum insulation resistance at 70°C : 0.0047MΩkm. : Minimum average radial thickness : 1.2mm. : Minimum overall diameter : 8.4mm. : Maximum overall diameter : 11.5mm.	
Lay Up	: Not applicable.	
Screen	: Not applicable.	
Sheath	: Not applicable.	
Service Data	: For use as the internal wiring of switch, control, metering, relay and instrument panels of power switchgear, and for the internal connections of rectifier equipment and motor starters and controllers.	
	: Rated Voltage (U _o /U)	: 600/1000V ac.
	: Maximum operating (conductor) temperature	: +70°C.
	: Minimum ambient temperature (once installed, not subject to flexing)	: -20°C.
	: Maximum current rating at 30°C ambient temperature (free air , single cable)	: 141A.
	: Approximate mass/unit length	: 292kg/km.

Note : * "Conductors" to "Conductors (This is a nominal number of strands. All wires made to meet minimum cross-sectional area and maximum resistance as set in BS specification.)"

Specification Table

Part Number	: Varies with colour and packing.	
Description	: 1.5mm ² (30/0.25mm) Plain Copper, PVC Insulated, 600/1000V, Type BK, BS 6231.	
Conductors*	: 1.5mm ² (30/0.25mm) plain annealed copper bunch meeting the requirements of BS 6360, class 5. : Maximum resistance at 20°C : 13.3Ω/km.	
Insulation	: Type TI 1 PVC compound meeting the requirements of BS EN 50363. : Minimum insulation resistance at 70°C : 0.0111MΩkm. : Minimum average radial thickness : 0.8mm. : Minimum overall diameter : 3.0mm. : Maximum overall diameter : 3.6mm.	
Lay Up	: Not applicable.	
Screen	: Not applicable.	
Sheath	: Not applicable.	
Service Data	: For use as the internal wiring of switch, control, metering, relay and instrument panels of power switchgear, and for the internal connections of rectifier equipment and motor starters and controllers. : Rated Voltage (U ₀ /U) : 600/1000V ac. : Maximum operating (conductor) temperature : +70°C. : Minimum ambient temperature (once installed, not subject to flexing) : -20°C. : Maximum current rating at 30°C ambient temperature (free air , single cable) : 24A. : Approximate mass/unit length : 22kg/km.	

Note : * "Conductors" to "Conductors (This is a nominal number of strands. All wires made to meet minimum cross-sectional area and maximum resistance as set in BS specification.)"

Specification Table

Part Number	: Varies with colour and packing.	
Description	: 1mm ² (32/0.2mm) Plain Copper, PVC Insulated, 600/1000V, Type BK, BS 6231.	
Conductors*	: 1mm ² (32/0.2mm) plain annealed copper bunch meeting the requirements of BS 6360, class 5. : Maximum resistance at 20°C : 19.5Ω/km.	
Insulation	: Type TI 1 PVC compound meeting the requirements of BS EN 50363. : Minimum insulation resistance at 70°C : 0.0128MΩkm. : Minimum average radial thickness : 0.8mm. : Minimum overall diameter : 2.7mm. : Maximum overall diameter : 3.3mm.	
Lay Up	: Not applicable.	
Screen	: Not applicable.	
Sheath	: Not applicable.	
Service Data	: For use as the internal wiring of switch, control, metering, relay and instrument panels of power switchgear, and for the internal connections of rectifier equipment and motor starters and controllers. : Rated Voltage (U _o /U) : 600/1000V ac. : Maximum operating (conductor) temperature : +70°C. : Minimum ambient temperature (once installed, not subject to flexing) : -20°C. : Maximum current rating at 30°C ambient temperature (free air , single cable) : 19A. : Approximate mass/unit length : 16kg/km.	

Note : * "Conductors" to "Conductors (This is a nominal number of strands. All wires made to meet minimum cross-sectional area and maximum resistance as set in BS specification.)"

Specification Table

Part Number	: Varies with colour and packing.	
Description	: 2.5mm ² (50/0.25mm) Plain Copper, PVC Insulated, 600/1000V, Type BK, BS 6231.	
Conductors*	: 2.5mm ² (50/0.25mm) plain annealed copper bunch meeting the requirements of BS 6360, class 5. : Maximum resistance at 20°C : 7.98Ω/km.	
Insulation	: Type TI 1 PVC compound meeting the requirements of BS EN 50363. : Minimum insulation resistance at 70°C : 0.0094MΩkm. : Minimum average radial thickness : 0.8mm. : Minimum overall diameter : 3.4mm. : Maximum overall diameter : 4.1mm.	
Lay Up	: Not applicable.	
Screen	: Not applicable.	
Sheath	: Not applicable.	
Service Data	: For use as the internal wiring of switch, control, metering, relay and instrument panels of power switchgear, and for the internal connections of rectifier equipment and motor starters and controllers. : Rated Voltage (U ₀ /U) : 600/1000V ac. : Maximum operating (conductor) temperature : +70°C. : Minimum ambient temperature (once installed, not subject to flexing) : -20°C. : Maximum current rating at 30°C ambient temperature (free air , single cable) : 32A. : Approximate mass/unit length : 32kg/km.	

Note : * "Conductors" to "Conductors (This is a nominal number of strands. All wires made to meet minimum cross-sectional area and maximum resistance as set in BS specification.)"

Specification Table

Part Number	: Varies with colour and packing.	
Description	: 4mm ² (56/0.3mm) Plain Copper, PVC Insulated, 600/1000V, Type BK, BS 6231.	
Conductors*	: 4mm ² (56/0.3mm) plain annealed copper bunch meeting the requirements of BS 6360, class 5. : Maximum resistance at 20°C : 4.95Ω/km.	
Insulation	: Type TI 1 PVC compound meeting the requirements of BS EN 50363. : Minimum insulation resistance at 70°C : 0.0077MΩkm. : Minimum average radial thickness : 0.8mm. : Minimum overall diameter : 3.9mm. : Maximum overall diameter : 4.8mm.	
Lay Up	: Not applicable.	
Screen	: Not applicable.	
Sheath	: Not applicable.	
Service Data	: For use as the internal wiring of switch, control, metering, relay and instrument panels of power switchgear, and for the internal connections of rectifier equipment and motor starters and controllers. : Rated Voltage (U _o /U) : 600/1000V ac. : Maximum operating (conductor) temperature : +70°C. : Minimum ambient temperature (once installed, not subject to flexing) : -20°C. : Maximum current rating at 30°C ambient temperature (free air , single cable) : 43A. : Approximate mass/unit length : 49kg/km.	

Note : * "Conductors" to "Conductors (This is a nominal number of strands. All wires made to meet minimum cross-sectional area and maximum resistance as set in BS specification.)"

Specification Table

Part Number	: Varies with colour and packing.	
Description	: 10mm ² (80/0.4mm) Plain Copper, PVC Insulated, 600/1000V, Type BK, BS 6231.	
Conductors*	: 10mm ² (80/0.4mm) plain annealed copper bunch meeting the requirements of BS 6360, class 5. : Maximum resistance at 20°C : 1.91Ω/km.	
Insulation	: Type TI 1 PVC compound meeting the requirements of BS EN 50363. : Minimum insulation resistance at 70°C : 0.0058MΩkm. : Minimum average radial thickness : 1.0mm. : Minimum overall diameter : 5.7mm. : Maximum overall diameter : 7.2mm.	
Lay Up	: Not applicable.	
Screen	: Not applicable.	
Sheath	: Not applicable.	
Service Data	: For use as the internal wiring of switch, control, metering, relay and instrument panels of power switchgear, and for the internal connections of rectifier equipment and motor starters and controllers. : Rated Voltage (U _o /U) : 600/1000V ac. : Maximum operating (conductor) temperature : +70°C. : Minimum ambient temperature (once installed, not subject to flexing) : -20°C. : Maximum current rating at 30°C ambient temperature (free air , single cable) : 79A. : Approximate mass/unit length : 114kg/km.	

Note : * "Conductors" to "Conductors (This is a nominal number of strands. All wires made to meet minimum cross-sectional area and maximum resistance as set in BS specification.)"

Specification Table

Part Number	: Varies with colour and packing.	
Description	: 6mm ² (84/0.3mm) Plain Copper, PVC Insulated, 600/1000V, Type BK, BS 6231.	
Conductors*	: 6mm ² (84/0.3mm) plain annealed copper bunch meeting the requirements of BS 6360, class 5. : Maximum resistance at 20°C : 3.30Ω/km.	
Insulation	: Type TI 1 PVC compound meeting the requirements of BS EN 50363. : Minimum insulation resistance at 70°C : 0.0059MΩkm. : Minimum average radial thickness : 0.8mm. : Minimum overall diameter : 4.4mm. : Maximum overall diameter : 5.3mm.	
Lay Up	: Not applicable.	
Screen	: Not applicable.	
Sheath	: Not applicable.	
Service Data	: For use as the internal wiring of switch, control, metering, relay and instrument panels of power switchgear, and for the internal connections of rectifier equipment and motor starters and controllers. : Rated Voltage (U _o /U) : 600/1000V ac. : Maximum operating (conductor) temperature : +70°C. : Minimum ambient temperature (once installed, not subject to flexing) : -20°C. : Maximum current rating at 30°C ambient temperature (free air , single cable) : 56A. : Approximate mass/unit length : 73.5kg/km.	

Note : * "Conductors" to "Conductors (This is a nominal number of strands. All wires made to meet minimum cross-sectional area and maximum resistance as set in BS specification.)"

Specification Table

Part Number	: Varies with colour and packing.	
Description	: Single Core, 35mm ² Flexible Plain Copper, PVC Insulated, 600/1000 BS 6231, Type BK.	
Conductors*	: 35mm ² (276/0.4PC) plain annealed copper wires to BS 6360, class 5. : Maximum dc resistance of conductors at 20°C : 0.554Ω/km.	
Insulation	: Type TI 1 PVC compound to BS EN 50363-3. : Insulation must be circular, smooth and not have air bubbles caused by overheating during extrusion. : Minimum point radial thickness : 0.98mm. : Minimum average radial thickness : 1.2mm. : Minimum overall diameter : 10.70mm. : Maximum overall diameter : 11.30mm.	
Lay Up	: Not applicable.	
Screen	: Not applicable.	
Sheath	: Not applicable.	
Service Data	: For use as the internal wiring of switch, control, metering, relay and instrument panels of power switchgear, and for the internal connections of rectifier equipment and motor starters and controllers. : Rated Voltage (U _o /U) : 600/1000V ac. : Maximum operating (conductor) temperature : +70°C. : Minimum ambient temperature (once installed, not subject to flexing) : -20°C. : Maximum current rating at 30°C ambient temperature (free air , single cable) : 19A. : Approximate mass/unit length : 16kg/km.	

Note : * "Conductors" to "Conductors (This is a nominal number of strands. All wires made to meet minimum cross-sectional area and maximum resistance as set in BS specification.)"

Part Number Table

Description	Part number
WIRE, BK, BLACK, 32/0.2MM, 100M	BK 1.0 BLK 100M
WIRE, BK, RED, 32/0.2MM, 100M	BK 1.0 RED 100M
WIRE, CK, BLACK, 30/0.25MM, 100M	CK 1.5 BLK 100M
WIRE, CK, BLUE, 30/0.25MM, 100M	CK 1.5 BLU 100M
WIRE, CK, RED, 30/0.25MM, 100M	CK 1.5 RED 100M
WIRE, CK, GRN/YEL, 30/0.25MM, 100M	CK 1.5 G/Y 100M
WIRE, CK, BLACK, 50/0.25MM, 100M	CK 2.5 BLK 100M
WIRE, CK, BLUE, 50/0.25MM, 100M	CK 2.5 BLU 100M
WIRE, CK, RED, 50/0.25MM, 100M	CK 2.5 RED 100M
WIRE, CK 50/0.25 WHITE 100M	CK 2.5 WHT 100M
WIRE, CK, GRN/YEL, 50/0.25MM, 100M	CK 2.5 G/Y 100M
WIRE, BK, BLACK, 30/0.25MM, 100M	BK 1.5 BLK 100M
WIRE, BK, GREEN, 30/0.25MM, 100M	BK 1.5 GRN 100M
WIRE, BK, RED, 30/0.25MM, 100M	BK 1.5 RED 100M
WIRE, BK, GRN/YEL, 30/0.25MM, 100M	BK 1.5 G/Y 100M
WIRE, BK, BLACK, 50/0.25MM, 100M	BK 2.5 BLK 100M
WIRE, BK, BLUE, 50/0.25MM, 100M	BK 2.5 BLU 100M
WIRE, BK, RED, 50/0.25MM, 100M	BK 2.5 RED 100M
WIRE, BK, GRN/YEL, 50/0.25MM, 100M	BK 2.5 G/Y 100M
WIRE, BK, BLACK, 56/0.3MM, 100M	BK 4.0 BLK 100M
56/ 0.3MM RED SWITCHGEAR WIRE 100M	BK 4.0 RED 100M
WIRE, BK, GRN/YEL, 56/0.3MM, 100M	BK 4.0 G/Y 100M
WIRE, BK, BLACK, 84/0.3MM, 100M	BK 6.0 BLK 100M
WIRE, BK, BLUE, 84/0.3MM, 100M	BK 6.0 BLU 100M
WIRE, BK, RED, 84/0.3MM, 100M	BK 6.0 RED 100M
WIRE, BK, GRN/YEL, 84/0.3MM, 100M	BK 6.0 G/Y 100M
WIRE, BK, BLACK, 80/0.4MM, 100M	BK 10.0 BLK 100M
WIRE, BK, RED, 80/0.4MM, 100M	BK 10.0 RED 100M

Part Number Table

Description	Part number
WIRE, BK, GRN/YEL, 80/0.4MM, 100M	BK 10.0 G/Y 100M
WIRE, BK, BLACK, 126/0.4MM, 50M	BK 16.0 BLK 50M
WIRE, BK, RED, 126/0.4MM, 50M	BK 16.0 RED 50M
WIRE, BK, GRN/YEL, 126/0.4MM, 50M	BK 16.0 G/Y 50M
WIRE, BK, BLACK, 196/0.4MM, 50M	BK 25.0 BLK 50M
WIRE, BK, RED, 196/0.4MM, 50M	BK 25.0 RED 50M
WIRE, BK, GRN/YEL, 196/0.4MM, 50M	BK 25.0 G/Y 50M
WIRE, BK, BLACK, 276/0.4MM, 50M	BK 35.0 BLK 50M
WIRE, BK, BS6231, BLACK, 6MM, 25M	1179195
WIRE, BK, BS6231, BLUE, 6MM, 25M	1179197
WIRE, BK, BS6231, RED, 6MM, 25M	1179198
WIRE, BK, BS6231, YELLOW, 6MM, 25M	1179199
WIRE, BK, BS6231, GRN/YEL, 6MM, 25M	1179200
WIRE, BK, BS6231, BLACK, 10MM, 25M	1179201
WIRE, BK, BS6231, BLUE, 10MM, 25M	1179203
WIRE, BK, BS6231, RED, 10MM, 25M	1179204
WIRE, BK, BS6231, YELLOW, 10MM, 25M	1179205
WIRE, BS6231 BK 10MM GRN/YEL 25M	1179206
WIRE, BK, BS6231, BLACK, 16MM, 25M	1179207
WIRE, BK, BS6231, BLUE, 16MM, 25M	1179208
WIRE, BK, BS6231, RED, 16MM, 25M	1179209
WIRE, BK, BS6231, YELLOW, 16MM, 25M	1179210
WIRE, BK, BS6231, GRN/YEL, 16MM, 25M	1179211
WIRE, BK, BS6231, BLACK, 25MM, 25M	1179212
WIRE, BK, BS6231, BLUE, 25MM, 25M	1179213
WIRE, BS6231 BK 25MM RED 25M	1179215
WIRE, BS6231 BK 25MM YEL 25M	1179216
WIRE, BS6231 BK 25MM GRN/YEL 25M	1179217

Disclaimer This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. SPC pro-Power is the registered trademark of the Group. © Premier Farnell plc 2010.

<http://www.farnell.com>
<http://www.newark.com>
<http://www.cpc.co.uk>