



Specifications:

Description	: 16 mm ² flex plain copper, PVC insulated, 600 / 1,000 V, type BK, BS 6231
Conductors*	: 16 mm ² (approximate 126 / 0.4 mm) plain annealed copper bunch meeting the requirements of BS 6360, class 5 : Maximum resistance at 20°C : 1.21 Ω/km
Insulation	: Type TI 1 PVC compound meeting the requirements of BS EN 50363 : Minimum insulation resistance at 70°C : 0.0048 MΩ km : Minimum average radial thickness : 1 mm : Minimum overall diameter : 6.7 mm : Minimum overall diameter : 9 mm
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 / 1,000 V 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) : 105 A : Approximate mass / unit length : 182 kg/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)"

Specifications:

Description	: 25 mm ² flex plain copper, PVC insulated, 600 / 1,000 V, type BK, BS 6231
Conductors*	: 25 mm ² (approximate 196/0.4 mm) plain annealed copper bunch meeting the requirements of BS 6360, class 5 : Maximum resistance at 20°C : 0.78 Ω/km
Insulation	: Type TI 1 PVC compound meeting the requirements of BS EN 50363 : Minimum insulation resistance at 70°C : 0.0047 MΩ km : Minimum average radial thickness : 1.2 mm : Minimum overall diameter : 8.4 mm : Minimum overall diameter : 11.5 mm
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 / 1,000 V 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) : 141 A : Approximate mass / unit length : 292 kg/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)"

Specifications:

Description	: 1.5 mm ² (30/0.25 mm) plain copper, PVC insulated, 600 / 1,000 V, type BK, BS 6231
Conductors*	: 1.5 mm ² (30/0.25 mm) plain annealed copper bunch meeting the requirements of BS 6360, class 5 : Maximum resistance at 20°C : 13.3 Ω/km
Insulation	: Type TI 1 PVC compound meeting the requirements of BS EN 50363 : Minimum insulation resistance at 70°C : 0.0111 MΩ km : Minimum average radial thickness : 0.8 mm : Minimum overall diameter : 3 mm : Minimum overall diameter : 3.6 mm
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 / 1,000 V 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) : 24 A : Approximate mass / unit length : 22 kg/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)"

Specifications:

Description	: 1 mm ² (32/0.2 mm) plain copper, PVC insulated, 600 / 1,000 V, type BK, BS 6231
Conductors*	: 1 mm ² (32/0.2 mm) plain annealed copper bunch meeting the requirements of BS 6360, class 5 : Maximum resistance at 20°C : 19.5 Ω/km
Insulation	: Type TI 1 PVC compound meeting the requirements of BS EN 50363 : Minimum insulation resistance at 70°C : 0.0128 MΩ km : Minimum average radial thickness : 0.8 mm : Minimum overall diameter : 2.7 mm : Minimum overall diameter : 3.3 mm
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 / 1,000 V 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) : 19 A : Approximate mass / unit length : 16 kg/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)"

Specifications:

Description	: 2.5 mm ² (50/0.25 mm) plain copper, PVC insulated, 600 / 1,000 V, type BK, BS 6231
Conductors*	: 2.5 mm ² (50/0.25 mm) plain annealed copper bunch meeting the requirements of BS 6360, class 5 : Maximum resistance at 20°C : 7.98 Ω/km
Insulation	: Type TI 1 PVC compound meeting the requirements of BS EN 50363 : Minimum insulation resistance at 70°C : 0.0094 MΩ km : Minimum average radial thickness : 0.8 mm : Minimum overall diameter : 3.4 mm : Minimum overall diameter : 4.1 mm
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 / 1,000 V 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) : 32 A : Approximate mass / unit length : 32 kg/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)"

Specifications:

Description	: 4 mm ² (56/0.3 mm) plain copper, PVC insulated, 600 / 1,000 V, type BK, BS 6231
Conductors*	: 4 mm ² (56/0.3 mm) plain annealed copper bunch meeting the requirements of BS 6360, class 5 : Maximum resistance at 20°C : 4.95 Ω/km
Insulation	: Type TI 1 PVC compound meeting the requirements of BS EN 50363 : Minimum insulation resistance at 70°C : 0.0077 MΩ km : Minimum average radial thickness : 0.8 mm : Minimum overall diameter : 3.9 mm : Minimum overall diameter : 4.8 mm
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 / 1,000 V 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) : 43 A : Approximate mass / unit length : 49 kg/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)"

Specifications:

Description	: 10 mm ² (80/0.4 mm) plain copper, PVC insulated, 600 / 1,000 V, type BK, BS 6231
Conductors*	: 10 mm ² (80/0.4 mm) plain annealed copper bunch meeting the requirements of BS 6360, class 5 : Maximum resistance at 20°C : 1.91 Ω/km
Insulation	: Type TI 1 PVC compound meeting the requirements of BS EN 50363 : Minimum insulation resistance at 70°C : 0.0058 MΩ km : Minimum average radial thickness : 1 mm : Minimum overall diameter : 5.7 mm : Minimum overall diameter : 7.2 mm
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 / 1,000 V 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) : 79 A : Approximate mass / unit length : 114 kg/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)"

Specifications:

Description	: 6 mm ² (84/0.3 mm) plain copper, PVC insulated, 600 / 1,000 V, type BK, BS 6231
Conductors*	: 6 mm ² (84/0.3 mm) plain annealed copper bunch meeting the requirements of BS 6360, class 5 : Maximum resistance at 20°C : 3.3 Ω/km
Insulation	: Type TI 1 PVC compound meeting the requirements of BS EN 50363 : Minimum insulation resistance at 70°C : 0.0059 MΩ km : Minimum average radial thickness : 0.8 mm : Minimum overall diameter : 4.4 mm : Minimum overall diameter : 5.3 mm
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 / 1,000 V 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) : 56 A : Approximate mass / unit length : 73.5 kg/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)"

Specifications:

Description	: Single core, 35 mm ² flexible plain copper, PVC insulated, 600 / 1,000 BS 6231, type BK
Conductors*	: 35 mm ² (276/0.4 PC) plain annealed copper wires to BS 6360, class 5 : Maximum resistance of conductors at 20°C : 0.554 Ω/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 : 0.98 mm : Minimum average radial thickness : 1.2 mm : Minimum overall diameter : 10.7 mm : Minimum overall diameter : 11.3 mm
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 / 1,000 V 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) : 19 A : Approximate mass / unit length : 16 kg/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	Description	Part Number
Wire, BK, Black, 32/0.2 mm, 100 m	BK 1.0 BLK 100M	Wire, BK, Black, 126/0.4 mm, 50 m	BK 16.0 BLK 50M
Wire, BK, Red, 32/0.2 mm, 100 m	BK 1.0 RED 100M	Wire, BK, Red, 126/0.4 mm, 50 m	BK 16.0 RED 50M
Wire, CK, Black, 30/0.25 mm, 100 m	CK 1.5 BLK 100M	Wire, BK, GRN/YEL, 126/0.4 mm, 50 m	BK 16.0 G/Y 50M
Wire, CK, Blue, 30/0.25 mm, 100 m	CK 1.5 BLU 100M	Wire, BK, Black, 196/0.4 mm, 50 m	BK 25.0 BLK 50M
Wire, CK, Red, 30/0.25 mm, 100 m	CK 1.5 RED 100M	Wire, BK, Red, 196/0.4 mm, 50 m	BK 25.0 RED 50M
Wire, CK, GRN/YEL, 30/0.25 mm, 100 m	CK 1.5 G/Y 100M	Wire, BK, Black, 276/0.4 mm, 50 m	BK 35.0 BLK 50M
Wire, CK, Black, 50/0.25 mm, 100 m	CK 2.5 BLK 100M	Wire, BK, BS6231, Black, 6 mm, 25 m	1179195
Wire, CK, Blue, 50/0.25 mm, 100 m	CK 2.5 BLU 100M	Wire, BK, BS6231, Blue, 6 mm, 25 m	1179197
Wire, CK, Red, 50/0.25 mm, 100 m	CK 2.5 RED 100M	Wire, BK, BS6231, Red, 6 mm, 25 m	1179198
Wire, CK, GRN/YEL, 50/0.25 mm, 100 m	CK 2.5 G/Y 100M	Wire, BK, BS6231, Yellow, 6 mm, 25 m	1179199
Wire, BK, Black, 30/0.25 mm, 100 m	BK 1.5 BLK 100M	Wire, BK, BS6231, GRN/YEL, 6 mm, 25 m	1179200
Wire, BK, Green, 30/0.25 mm, 100 m	BK 1.5 GRN 100M	Wire, BK, BS6231, Black, 10 mm, 25 m	1179201
Wire, BK, Red, 30/0.25 mm, 100 m	BK 1.5 RED 100M	Wire, BK, BS6231, Red, 10 mm, 25 m	1179204
Wire, BK, GRN/YEL, 30/0.25 mm, 100 m	BK 1.5 G/Y 100M	Wire, BK, BS6231, Yellow, 10 mm, 25 m	1179205
Wire, BK, Black, 50/0.25 mm, 100 m	BK 2.5 BLK 100M	Wire, BK, BS6231, Black, 16 mm, 25 m	1179207
Wire, BK, Blue, 50/0.25 mm, 100 m	BK 2.5 BLU 100M	Wire, BK, BS6231, Red, 16 mm, 25 m	1179209
Wire, BK, Red, 50/0.25 mm, 100 m	BK 2.5 RED 100M	Wire, BK, BS6231, Yellow, 16 mm, 25 m	1179210
Wire, BK, GRN/YEL, 50/0.25 mm, 100 m	BK 2.5 G/Y 100M	Wire, BK, BS6231, Black, 25 mm, 25 m	1179212
Wire, BK, Black, 56/0.3 mm, 100 m	BK 4.0 BLK 100M	Wire, BK, BS6231, Blue, 25 mm, 25 m	1179213
Wire, BK, Red, 56/0.3 mm, 100 m	BK 4.0 RED 100M		
Wire, BK, GRN/YEL, 56/0.3 mm, 100 m	BK 4.0 G/Y 100M		
Wire, BK, Black, 84/0.3 mm, 100 m	BK 6.0 BLK 100M		
Wire, BK, Blue, 84/0.3 mm, 100 m	BK 6.0 BLU 100M		
Wire, BK, Red, 84/0.3 mm, 100 m	BK 6.0 RED 100M		
Wire, BK, GRN/YEL, 84/0.3 mm, 100 m	BK 6.0 G/Y 100M		
Wire, BK, Black, 80/0.4 mm, 100 m	BK 10.0 BLK 100M		
Wire, BK, Red, 80/0.4 mm, 100 m	BK 10.0 RED 100M		
Wire, BK, GRN/YEL, 80/0.4 mm, 100 m	BK 10.0 G/Y 100M		

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (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. Pro-POWER is the registered trademark of the Group. © Premier Farnell plc 2011.