



## Specifications:

<b>Description</b>	: 16 mm <sup>2</sup> flex plain copper, PVC insulated, 600 / 1,000 V, type BK, BS 6231
<b>Conductors*</b>	: 16 mm <sup>2</sup> (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
<b>Insulation</b>	: 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
<b>Lay up</b>	: Not applicable
<b>Screen</b>	: Not applicable
<b>Sheath</b>	: Not applicable
<b>Service Data</b>	: 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 <sub>o</sub> /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:

<b>Description</b>	: 25 mm <sup>2</sup> flex plain copper, PVC insulated, 600 / 1,000 V, type BK, BS 6231
<b>Conductors*</b>	: 25 mm <sup>2</sup> (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
<b>Insulation</b>	: 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
<b>Lay up</b>	: Not applicable
<b>Screen</b>	: Not applicable
<b>Sheath</b>	: Not applicable
<b>Service Data</b>	: 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 <sub>0</sub> /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:

<b>Description</b>	: 1.5 mm <sup>2</sup> (30/0.25 mm) plain copper, PVC insulated, 600 / 1,000 V, type BK, BS 6231
<b>Conductors*</b>	: 1.5 mm <sup>2</sup> (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
<b>Insulation</b>	: 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
<b>Lay up</b>	: Not applicable
<b>Screen</b>	: Not applicable
<b>Sheath</b>	: Not applicable
<b>Service Data</b>	: 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 <sub>0</sub> /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:

<b>Description</b>	: 1 mm <sup>2</sup> (32/0.2 mm) plain copper, PVC insulated, 600 / 1,000 V, type BK, BS 6231
<b>Conductors*</b>	: 1 mm <sup>2</sup> (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
<b>Insulation</b>	: 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
<b>Lay up</b>	: Not applicable
<b>Screen</b>	: Not applicable
<b>Sheath</b>	: Not applicable
<b>Service Data</b>	: 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 <sub>0</sub> /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:

<b>Description</b>	: 2.5 mm <sup>2</sup> (50/0.25 mm) plain copper, PVC insulated, 600 / 1,000 V, type BK, BS 6231
<b>Conductors*</b>	: 2.5 mm <sup>2</sup> (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
<b>Insulation</b>	: 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
<b>Lay up</b>	: Not applicable
<b>Screen</b>	: Not applicable
<b>Sheath</b>	: Not applicable
<b>Service Data</b>	: 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 <sub>0</sub> /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:

<b>Description</b>	: 4 mm <sup>2</sup> (56/0.3 mm) plain copper, PVC insulated, 600 / 1,000 V, type BK, BS 6231
<b>Conductors*</b>	: 4 mm <sup>2</sup> (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
<b>Insulation</b>	: 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
<b>Lay up</b>	: Not applicable
<b>Screen</b>	: Not applicable
<b>Sheath</b>	: Not applicable
<b>Service Data</b>	: 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 <sub>0</sub> /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:

<b>Description</b>	: 10 mm <sup>2</sup> (80/0.4 mm) plain copper, PVC insulated, 600 / 1,000 V, type BK, BS 6231
<b>Conductors*</b>	: 10 mm <sup>2</sup> (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
<b>Insulation</b>	: 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
<b>Lay up</b>	: Not applicable
<b>Screen</b>	: Not applicable
<b>Sheath</b>	: Not applicable
<b>Service Data</b>	: 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 <sub>0</sub> /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:

<b>Description</b>	: 6 mm <sup>2</sup> (84/0.3 mm) plain copper, PVC insulated, 600 / 1,000 V, type BK, BS 6231
<b>Conductors*</b>	: 6 mm <sup>2</sup> (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
<b>Insulation</b>	: 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
<b>Lay up</b>	: Not applicable
<b>Screen</b>	: Not applicable
<b>Sheath</b>	: Not applicable
<b>Service Data</b>	: 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 <sub>0</sub> /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:

<b>Description</b>	: Single core, 35 mm <sup>2</sup> flexible plain copper, PVC insulated, 600 / 1,000 BS 6231, type BK
<b>Conductors*</b>	: 35 mm <sup>2</sup> (276/0.4 PC) plain annealed copper wires to BS 6360, class 5 : Maximum resistance of conductors at 20°C : 0.554 Ω/km
<b>Insulation</b>	: 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
<b>Lay up</b>	: Not applicable
<b>Screen</b>	: Not applicable
<b>Sheath</b>	: Not applicable
<b>Service Data</b>	: 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 <sub>0</sub> /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		

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