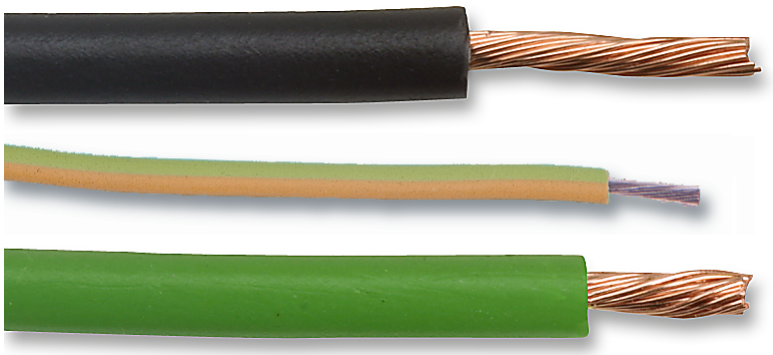
Switchgear Wires

pro-POWER



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)”

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Switchgear Wires

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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_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)	: 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)”

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Switchgear Wires

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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_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)	: 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)”

Switchgear Wires

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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_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)	: 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)”

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Switchgear Wires

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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_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)	: 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)”

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Switchgear Wires

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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_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)	: 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)”

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Switchgear Wires

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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_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)	: 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)”

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Switchgear Wires

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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_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)	: 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)”

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