



## Equipment Wire

### Product Type:

Equipment wire: 7/0.20mm, 16/0.20mm, 24/0.20mm, 32/0.20mm

### Application:

A flexible PVC insulated wire used for general internal wiring of electronic equipment, control systems, security and a variety of industrial applications.

Note : these cables are not designed for power applications

### Construction:

Conductor	Flexible tinned annealed copper
Conductor size	7/0.2mm, 16/0.2mm, 24/0.2mm, 32/0.2mm
Insulation	PVC
Colour	Black, Blue, Brown, Grey, Yellow, Green, Red, White, Orange, Pink, Violet

### Physical Characteristics:

Model	7/0.2mm	16/0.2mm	24/0.2mm	32/0.2mm
Nom Diameter /mm	1.15±0.1mm	1.65±0.1mm	2.35±0.1mm	2.55±0.1mm
Nom Radial Thickness /mm	0.3±0.05	0.35±0.05	0.60±0.05	0.62±0.05
Conductor resistance @ 20°C	≤88.0Ω/km	≤38.2Ω/km	≤25.5Ω/km	≤19.1Ω/km

### Electrical Characteristics:

Rated Temperature	70°C
Rated Voltage <sup>1</sup>	60V
Insulation Resistance (@20°C)	7/0.20mm ~ 16/0.20mm: ≥50 MΩ.km @ 20°C 24/0.20mm ~ 32/0.20mm: ≥10 MΩ.km @ 20°C
Current ratings <sup>2</sup>	7/0.20mm 1.4A 16/0.20mm 3.0A 24/0.20mm 4.5A 32/0.20mm 6.0A

Ambient air temperature rating factors (BS7671 Table 4B1) -

Ambient air temperature / °C	25	30	35	40	45	50	55
Rating Factor	1.03	1.0	0.94	0.87	0.79	0.71	0.61

<sup>1</sup> where the fault current is low and adequate mechanical protection is provided, these cables may be used at voltages upto 300V

<sup>2</sup> The current ratings are based on a single cable in free air at ambient temperature of 30 °C

### Other Standard

RoHS Compliant