

Equipment Wire



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 Voltage¹ 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 ratings² 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

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

Other Standard

RoHS Compliant

Datasheet Ref: Equipment Wire

Issue: 3

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² The current ratings are based on a single cable in free air at ambient temperature of 30 ℃