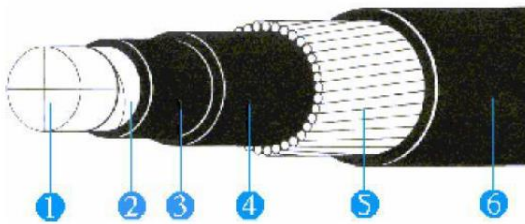


IEC 60502-1 600/1000V

Single Core Sectoral - Armoured

Cable Design

Product code 20144252 / 20144254



DESIGN & CONSTRUCTION

- 1: Sectoral Circular Solid Aluminium Conductor
- 2: Binder Tape
- 3: XLPE Insulation (Brown)
- 4: PVC Bedding
- 5: Aluminium Wire Armour
- 6: Black PVC Sheath

Cable / Product description

Circular Solid Aluminium design made up of 4 shaped solid sectors.

1kV Sectoral cables are a standard specification taken across Utility networks in the United Kingdom.

Main Characteristics

Parameter		600mm ² 20144252	740mm ² 20144254
Overall Diameter	mm	44.0	49.7
Minimum Bend Radius	mm	350	390
Maximum Pulling Tension*	kg	1800	2000
Cable Weight	kg/m	2.8	3.6

* based on the conductor.

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Technical Data

Current Ratings		600mm ² 20144252	740mm ² 20144254
Laid in Air	Amps	839	940
Laid Direct in Ground	Amps	672	734
Drawn in a Duct	Amps	557	591

Current Rating conditions: Air Temp 25°C, Ground Temp 15°C, Depth of Burial 0.5m, Thermal Resistance of Soil 1.2°C m/W

Logistics

Typical Drum Sizes are Provided Below

Length	Parameter	600mm ² 20144252	740mm ² 20144254
100m	Outer Diameter (mm)	1500	1700
	Total Width (mm)	850	975
	Total Weight (kg)	435	575
250m	Outer Diameter (mm)	1500	1700
	Total Width (mm)	850	975
	Total Weight (kg)	850	1100
500m	Outer Diameter (mm)	2000	2000
	Total Width (mm)	1000	1000
	Total Weight (kg)	1700	2070

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