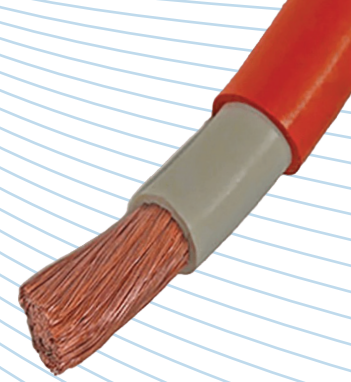




# NITRILE WELDING CABLE



## Cable Description

Nitrile welding cables are robust, highly flexible cables specifically designed to provide reliable power transmission to welding tools and machinery in demanding industrial environments. Known for their durability and resistance to extreme conditions, these cables are ideal for applications where flexibility and resilience against abrasion, heat, and chemicals are crucial. Nitrile welding cables offer a dependable solution for rugged industrial applications, combining flexibility with high durability to ensure safe and efficient power transmission in challenging conditions.

## Technical Data

<b>Specifications:</b>	SABS SANS 1574
 <b>Temperature Range:</b> -10°C to 70°C	 <b>Voltage Rating:</b> Typically 450/750V or 600/1000V, depending on the type of welding machine
<b>Conductor Material:</b>	Class 5 flexible stranded copper conductors, offer excellent electrical conductivity and high flexibility.
<b>Core Identification:</b>	Red, Yellow, Blue, Black, and other Mono Colours
<b>Sheath material</b>	PVC / Nitrile
<b>Flexibility</b>	High flexibility is a key feature, allowing easy handling and movement around tight spaces, often required in welding applications.

Part Number	No. Cores X Size (mm <sup>2</sup> )	Nominal Stranding No. x diameter	Conductor Resistance @ 20°C Maximum	Current Rating (A)	Volt Drop (mV / A/m)	
			(Ω/km)		1ΦV	Approx. Overall
<b>1 Core (Mono Colours)</b>						
WEC16	SF16.0	600/1000V	1.21Ω	75	2.9	11.20
WEC25	SF25.0	600/1000V	0.78Ω	100	1.9	12.80

## Applications

- Power supply for arc welding machines and tools
- Use in construction sites, workshops, and shipyards
- Heavy-duty industrial applications requiring oil-and heat-resistant cables
- Portable or mobile welding setups where flexibility is essential

## Key Features

**Nitrile Outer Jacket:** The nitrile PVC jacket offers excellent resistance to oils, fuels, and chemicals, making it ideal for industrial and welding environments where contact with various substances is common.

**High Flexibility:** Constructed with finely stranded copper conductors, nitrile welding cables provide exceptional flexibility, enabling easy manoeuvring and coiling even in tight or confined workspaces.

**Heat and Flame Resistance:** Nitrile welding cables are rated to withstand high temperatures, which is essential for welding applications that generate substantial heat.

**Abrasion and Tear Resistance:** The durable nitrile jacket provides added protection against abrasions, cuts, and tears, making the cable suitable for environments where rough handling or sharp edges are present.

**Low Voltage Drop:** The high-quality copper conductors minimize voltage drop over long distances, ensuring efficient power delivery to welding equipment.



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