5CASDL0250-03

Industrial automation components

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Manufacturer	Siemens
Catalog number	5casdl0250-03
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	5CASDL.0250-03
Length	25 meters m
Connector Type	2x DVI-D (24+1), male
Outer Jacket Material	Special semi-matte TMPU
Shielding	Aluminum-clad foil and tinned copper braiding
Operating Voltage	≤30 V
Insulation Resistance	>200 MΩ/km
Temperature Range	-5°C to 60°C (flexible installations), -20°C to 80°C (fixed installations)
Bend Radius	15 times the cable diameter (flexible installations) times cable diameter

Description

The Siemens 5CASDL.0250-03 is a flexible SDL cable designed for both fixed and flexible installations, such as swing arm systems. Manufactured by B&R Industrial Automation, this 25-meter cable features two DVI-D (24+1) male connectors with gold-plated contacts, ensuring reliable data transmission.

The outer jacket is made of special semi-matte TMPU material, colored black, and is halogen- and silicone-free, enhancing durability and safety. The cable is shielded with aluminum-clad foil and tinned copper braiding, providing robust protection against electromagnetic interference.

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It supports an operating voltage of up to 30 V and has a wave impedance of 100 ±10 Ω, with an insulation resistance exceeding 200 MΩ/km. The cable is UL AWM 20236 80°C 30V approved and flame-retardant per UL 758 standards.

It operates effectively in temperatures ranging from -5°C to 60°C for flexible installations and -20°C to 80°C for fixed installations. The cable's mechanical properties include a maximum diameter of 12 mm and a minimum bend radius of 15 times the cable diameter for flexible installations.

It has been tested for 300,000 flex cycles at 15 times the cable diameter, ensuring long-term reliability in dynamic applications.