

DN 658 robot cable/Drop Highly flexible DeviceNet™ cable, suitable for robots with overall copper screen and UL recognition



Marking for DN 658 06589007:

SAB BRÖCKSKES · D-VIERSEN · DN 658 robot cable/Drop 2x0,24mm²+2x0,38mm² 24AWG/1pr+22AWG/1pr UL AWM Style 21198 80°C 300V 06589007 CE

DeviceNet™ is based on proven CAN-technology for rapid data exchange. Trunk Cable and Drop Cable configuration (Trunk Cable: main rope; Drop Cable: service cable). DeviceNet™ is a connection-oriented network. Application as highly flexible Bus cable.

item no.	no. of pairs	AWG	nominal inch	outer- \varnothing mm	cable weight \approx lbs/mft	ohmic resistance at 20°C max. Ω /km
▶ 06589007	1	24/19	0.240	6.1	43	83.3
	1	22 (= 38/38)	0.280	7.1		52.6

Other dimensions and colors are possible on request.

Construction:

Conductor:	tinned copper strands, fine wires
Insulation:	24 AWG: Foam-Skin 22 AWG: SABIX® 151
Color code:	24 AWG: white, blue 22 AWG: black, red
Wrapping:	each pair wrapped with alu foil
Stranding:	pairs in a specially adjusted layering, tinned copper drain wire in the conductor
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	PUR, TMPU acc. to EN 50363-10-2
Jacket color:	purple

Technical data:

Voltage UL:	300 V
Peak operating voltage:	max. 350 V
Testing voltage:	conductor/conductor 1500 V conductor/screen 1200 V
Min. bending radius <i>fixed installation:</i> <i>free movement:</i>	7.5 x O.D. 15 x O.D.
Temperature range <i>static:</i> <i>flexing:</i>	UL: up to +80 °C -40/+80 °C -30/+80 °C
Torsion angle:	up to $\pm 180^\circ$ /m
Characteristic impedance at 1 MHz:	120 $\Omega \pm 10\%$
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28