



## DN 658 Robot Cable/Drop

Highly flexible DeviceNet™ cable, suitable for robots with overall tinned copper shield



Marking for DN 658 6589007:

SAB BRÖCKSKES · D-VIERSEN · DN 658 robot cable/Drop 2x0.24mm<sup>2</sup>+2x0.38mm<sup>2</sup> 24AWG/1pr+22AWG/1pr AWM Style 21198 80°C 300V 6589007 CE

### Construction:

<b>Conductor:</b>	bare copper strands, fine wires
<b>Insulation:</b>	24 AWG: Foam-Skin PE 22 AWG: SABIX®
<b>Color code:</b>	24 AWG: white, blue 22 AWG: black, red
<b>Wrapping:</b>	conductors twisted to pairs stranded with alu foil
<b>Stranding:</b>	pairs in a specifically adjusted layering, tinned copper drain wire in the core.
<b>Shielding:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Jacket color:</b>	red lilac (RAL 4001)

### Technical data:

<b>Peak operating voltage:</b>	max. 350V
<b>Voltage UL:</b>	300 V
<b>Testing voltage:</b>	conductor/conductor: 2000 V conductor/shielding: 2000 V
<b>Min. bending radius:</b>	<i>fixed installation:</i> 7.5 x O.D. <i>free movement:</i> 15 x O.D.
<b>Torsion angle:</b>	up to ± 180°/m
<b>Temperature range:</b>	<b>UL:</b> up to 80°C <i>static:</i> -40/+80°C <i>flexible:</i> -30/+80°C
<b>Characteristic impedance:</b>	120 Ω ± 10%
<b>Approvals:</b>	UL AWM Style 21198, CE, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors	AWG	outer-ø		cable weight ≈ lbs/ft	ohmic resistance at 20°C max.Ω/km
			inch	mm		
▶ 6589007	2	24/19	0.240 - 0.280	6.1 - 7.1	38	83.3
	2	22 (≈ 48/38)				

Other dimensions and colors are available on request