



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 2x0.24mm²+2x0.38mm² 24AWG/1pr+22AWG/1pr AWM Style 21198 80°C 300V 6589007 CE

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

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

item no.	no. of conductors	AWG	outer-ø inch	mm	cable weight ≈lbs/mft	ohmic resistance at 20°C max.Ω/km
▶ 6589007	2	24/19	0.260	6.6	43	83.3
	2	22 (≈ 48/38)				52.6

Other dimensions and colors are available on request