



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



22AWG/1pr AWM Style 21198 80°C 300V 06589007

Marking for DN 658 06589007:

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

Construction:

Conductor:	tinned copper strands, fine wires
Insulation:	0,24 mm ² : Foam-Skin 0,38 mm ² : SABIX®
Colour code:	0,24 mm ² : white, blue 0,38 mm ² : black, red
Wrapping:	each pair wrapped with alu foil
Stranding:	pairs in a specially adjusted layering, tinned copper drain wire in the core
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Sheath material:	PUR, TMPU acc. to EN 50363-10-2
Sheath colour:	redlilac (RAL 4001)

Technical data:

Voltage UL:	300 V
Peak operating voltage:	max. 350 V
Testing voltage U:	core/core 1500 V core/screen 1200 V
Min. bending radius	fixed laying: 7,5 x d flexible application: 15 x d
Temperature range	UL: up to +80 °C <i>fixed laying:</i> -40/+80 °C <i>flexible application:</i> -30/+80 °C
Torsion angle:	up to ± 180°/m
Characteristic impedance at 1 MHz:	120 Ω ± 10%
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/17

item no.	no. of conductors	nominal cross-section mm ²	outer-ø mm	copper figure kg/km	cable weight ≈kg/km	ohmic resistance at 20°C max.Ω/km
06589007	2	0,24	min. 6,1	32,9	64	83,3
	2	0,38	max. 7,1			52,6

Other dimensions and colours are possible on request.