



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 AWM Style 21198 80°C 300V 06589007 CE

Construction:

Conductor:	tinned copper strands, fine wires
Insulation:	0,24 mm ² : Foam-Skin-PE 0,38 mm ² : SABIX®
Colour code:	0,24 mm ² : white, blue 0,38 mm ² : black, red
Wrapping:	cores twisted to pairs stranded with alu foil
Stranding:	pairs in specially adjusted layering, tinned copper drain wire in core
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Sheath material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Sheath colour:	redlilac (RAL 4001)

Technical data:

Peak operating voltage:	max. 350 V
Voltage UL:	300 V
Testing voltage:	core/core 2000 V core/screen 2000 V
Min. bending radius	
fixed laying:	7,5 x d
flexible application:	15 x d
Temperature range	UL: up to +80 °C
fixed laying:	-40/+80 °C
flexible application:	-30/+80 °C
Torsion angle:	up to ± 180°/m
Characteristic impedance:	120 Ω ± 10%
UL Style:	21198
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

E
24

item no.	dimension	outer-ø mm	copper figure kg/km	cable weight ≈kg/km	ohmic resistance at 20°C max. Ω/km
06589007	2 x 0,24 mm ² + 2 x 0,38 mm ²	6,1 - 7,1	32,9	64	83,3

Other dimensions and colours are possible on request.