DeviceNet™ cables

DN 658 highly flexible DeviceNet™ cable with overall copper screen and UL recognition

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



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

Construction:	DN 658 Drop cable	DN 658 Trunk cable	DN 658 robot cable/Drop
Dimension:	2 x 0,24 mm² + 2 x 0,38 mm²	2 x 0,96 mm² + 2 x 1,53 mm²	2 x 0,24 mm² + 2 x 0,38 mm²
Conductor: 0,24 mm² tinned copper strands 0,38 mm² tinned copper strands	 fine wires fine wires	 – –	 fine wires fine wires
Conductor: 0,96 mm² tinned copper strands 1,53 mm² tinned copper strands	 – –	 fine wires fine wires	 – –
Insulation:	0,24 mm²: acc. to EN 50290-2-23 (02YI1) 0,38 mm²: PVC, TI2 acc. to EN 50363-3	0,96 mm²: acc. to EN 50290-2-23 (02YI1) 1,53 mm²: PVC, TI2 acc. to EN 50363-3	0,24 mm²: Foam-Skin-PE 0,38 mm²: SABIX®
Colour code:	0,24 mm²/0,96 mm²: data pair white and light blue 0,38 mm²/1,53 mm²: supply pair black and red		0,24 mm²: white, blue 0,38 mm²: 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 with rough surface		
Sheath colour:	redlilac (RAL 4001)		

Technical data:	DN 658 Drop cable	DN 658 Trunk cable	DN 658 robot cable/Drop
Item number:	0658-2241	0658-2781	0658-9007
Peak operating voltage:	max. 350 V		
Voltage UL:	30 V		300 V
Testing voltage *core/core:* *core/screen:*	 2000 V 2000 V		
Min. bending radius *fixed laying:* *flexible application:*	 7,5 x d 15 x d		
Temperature range *fixed laying:* *flexible application:*	UL: up to +60 °C -30/+70 °C -5/+70 °C		UL: up to +80 °C -40/+80 °C -30/+80 °C
Torsion angle:	–		up to zu ± 180°/m
Characteristic impedance:	120 Ω ± 10%		
UL Style:	20417		21198
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“		

item no.	type	dimension	outer-ø mm	copper figure kg/km	cable weight ≈ kg/km	ohmic resistance at 20°C acc. to VDE 0812 max. Ω/km
06582241	DN 658 (Drop cable)	2 x 0,24 mm² + 2 x 0,38 mm²	6,1 - 7,1	41,2	63	–
06582781	DN 658 (Trunk cable)	2 x 0,96 mm² + 2 x 1,53 mm²	10,4 - 12,4	98,7	154	–
06589007	DN 658 robot cable/Drop	2 x 0,24 mm² + 2 x 0,38 mm²	6,1 - 7,1	32,9	56	83,3

Other dimensions and colours are possible on request.