

SD 787 C TP

continuously flexible data cable
with twisted pairs and overall copper screen

SEN · SAB Clean SD 787 C TP · 7 x 2 x 0,25mm² CE RoHS



Construction:

Conductor:	tinned copper strands, extra fine wire with reference to DIN VDE 0812
Insulation:	TPE
Colour code:	with reference to DIN 47100
Stranding:	cores twisted to pairs in specially adjusted layering
Wrapping:	non-woven tape
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Sheath material:	TPE
Sheath colour:	black (RAL 9005)

Outstanding features:

- flexible at low temperatures
- high abrasion resistance
- small outer diameter
- oil resistant
- good EMC characteristics*

* Copper braiding should be connected circularly to optimize the EMC characteristics

Technical data:

Peak operating voltage:	max. 350 V
Testing voltage:	core/core 1500 V core/screen 1200 V
Min. bending radius:	7,5 x d
Temperature range	
fixed laying:	-40/+80 °C
flexible application:	-30/+80 °C
Oil resistance:	very good - Oil 60 °C acc. to UL 758
Air cleanliness class 1:	acc. to DIN EN 14644-1 US Federal Standard 209 E
Absence of harmful substances:	acc. to RoHS directive of the European Union



item no.	no. of cores x cross section n x 2 x mm ²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km	ohmic resistance at 20 °C max. Ω/km
37810225	2 x 2 x 0,25	0,11	5,5	25,2	45	80,0
37810325	3 x 2 x 0,25	0,11	6,1	30,7	53	80,0
37810425	4 x 2 x 0,25	0,11	7,0	39,1	67	80,0
37810525	5 x 2 x 0,25	0,11	7,5	44,5	78	80,0
37810625	6 x 2 x 0,25	0,11	7,7	49,6	86	80,0
37810725	7 x 2 x 0,25	0,11	8,0	56,3	99	80,0
37810825	8 x 2 x 0,25	0,11	9,6	65,0	125	80,0
37811225	12 x 2 x 0,25	0,11	10,8	104,3	158	80,0
37810850	8 x 2 x 0,50	0,11	12,1	129,7	211	40,1

Other dimensions and colours are possible on request.



Cleanroom classification
DIN EN ISO 14644-1
air cleanliness class 1,
US Federal Standard 209 E
air cleanliness class 1.