

Servo Motor Cables



SL 807 C PE/PVC feedback cable with overall copper screen

SL 808 C PE/PVC transmission cable with overall copper screen



Marking for SL 807 C 08070050:
SAB BRÖCKSKES · D-VIERSEN · SL 807 C 9 x 0,5 mm² CE



Marking for SL 808 C 08080112:
SAB BRÖCKSKES · D-VIERSEN · SL 808 C 10 x 0,14 mm² + 2 x 0,5 mm² CE

C
14

Construction:

Conductor:	bare copper strands with reference to VDE 0812
Insulation:	PE L/MD acc. to EN 50290-2-23 + VDE 0819-103
Colour code:	coloured
Stranding SL 807 C:	in layers
SL 808 C:	in layers or pairwise
	acc. to dimension:
Screen:	pairs screened or wrapped with tinned copper braiding
Wrapping:	PETP foil
Stranding:	cores/pairs twisted together in layers
Wrapping:	PETP foil
Screen:	tinned copper braiding
Sheath material:	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
Sheath colour:	grey (RAL 7000)

Technical data:

Peak operating voltage SL 807 C:	max. 500 V
SL 808 C:	max. 350 V
Testing voltage:	core/core 2000 V core/screen 1200 V
Min. bending radius	
<i>fixed laying:</i>	5 x d
<i>flexible application:</i>	10 x d
<i>continuously flexible:</i>	12 x d
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature range	
<i>fixed laying:</i>	-30/+70 °C
<i>flexible application:</i>	-5/+70 °C
Oil resistance:	acc. to internal standard, see chapter N „Technical data“
Chem. resistance:	see chapter N „Technical data“
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

Outstanding features:



- good EMC characteristics
- high functionality
- space-saving application
- good handling



suitable for
resolvers and shaft encoders

item no.	dimension	sheath colour	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
motor feedback cable						
08070050	9 x 0,50	grey	0,21	8,4	68,2	107
transmission cable						
08080009	4 x 2 x 0,25 + 2 x 0,50	grey	0,16/0,21	8,1	53,7	82
08080010	4 x 2 x 0,25 + 2 x 1,00	grey	0,16/0,21	8,4	63,3	93
08080012	4 x 2 x 0,14 + 4 x 0,50	grey	0,11/0,21	8,3	54,9	85
08080112	10 x 0,14 + 2 x 0,50	grey	0,11/0,21	7,4	44,0	73
08080114	10 x 0,14 + 4 x 0,50	grey	0,11/0,21	8,0	57,5	92
08080013	4 x 2 x 0,38 + 4 x 0,50	grey	0,21	10,1	78,7	128
08080020	3 x (2 x 0,14 C) + 2 x 1,00	grey	0,11/0,21	8,2	77,9	100
08080022	3 x (2 x 0,14 C) + 2 x (0,50 C)	grey	0,11/0,21	8,2	81,9	100

Other dimensions and colours are possible on request.