



CBLS

SUPERSAX MOTOR CABLES



CBLS

Preassembled shielded power and feedback (resolver or encoder) cables for SUPER SAX Axor's brushless servomotors connections. Current rating up to 20 Arms for the power cables with integrated brake control leads. All cables are for mobile usage.

STANDARD FEATURES

- ✓ External sheathing: PVC (code43)
- ✓ approvals
- ✓ Power cable capacitance: 100 pF/m
- ✓ Resolver cable capacitance: 120 pF/m
- ✓ Encoder cable capacitance: 120 pF/m
- ✓ Operating temperature: -5÷80 °C

SPECIFICATIONS

- | | |
|---------------------------|---------------------------|
| ✓ Trailing speed | 3.6m/sec max |
| ✓ Acceleration/Dec. | 10m/sec ² max |
| ✓ Operating life | 10 million bending cycles |
| ✓ Minimum bending radius: | 7.5x cable diameter |

RESOLVER CABLE MODELS	LENGTH (M)	COUPLING WITH DRIVES
CBLSR00-SCRO/SDR0-035	3.5	
CBLSR00-SCRO/SDR0-050	5	
CBLSR00-SCRO/SDR0-070	7	
CBLSR00-SCRO/SDR0-100	10	
CBLSR00-SCRO/SDR0-150	15	
CBLSR00-SCRO/SDR0-200	20	
CBLSR00-SCRO/SDR0-250	25	
CBLSR00-SCRO/SDR0-300	30	
CBLSR00-SCRO/0000-035	3.5	
CBLSR00-SCRO/0000-050	5	
CBLSR00-SCRO/0000-070	7	
CBLSR00-SCRO/0000-100	10	
CBLSR00-SCRO/0000-150	15	
CBLSR00-SCRO/0000-200	20	
CBLSR00-SCRO/0000-250	25	
CBLSR00-SCRO/0000-300	30	

ENCODER CABLE MODELS	LENGTH (M)	COUPLING WITH DRIVES
CBLSE00-SCE0/SDE0-035	3.5	
CBLSE00-SCE0/SDE0-050	5	
CBLSE00-SCE0/SDE0-070	7	
CBLSE00-SCE0/SDE0-100	10	
CBLSE00-SCE0/SDE0-150	15	
CBLSE00-SCE0/SDE0-200	20	
CBLSE00-SCE0/SDE0-250	25	
CBLSE00-SCE0/SDE0-300	30	
CBLSE00-SCE0/0000-035	3.5	
CBLSE00-SCE0/0000-050	5	
CBLSE00-SCE0/0000-070	7	
CBLSE00-SCE0/0000-100	10	
CBLSE00-SCE0/0000-150	15	
CBLSE00-SCE0/0000-200	20	
CBLSE00-SCE0/0000-250	25	
CBLSE00-SCE0/0000-300	30	



CE

DESCRIPTION

Complete line of pre-assembled cables for "plug-n-play" connections between SUPERSAX® brushless servomotors and all AXOR's servodrives.

The **CBLS** cables have excellent mechanical characteristics and external shielding for disturbance protection.

AXOR recommends the use of these cables to:

- Avoid improper wiring connections
- Meet CE standards and proper shielding requirements
- Ensure increased system functionality

The **CBLS** cable must be utilized in accordance with the specific service manual of the servodrive with which coupled!

POWER CABLE MODELS	CURRENT RATING* (Arms)	LENGTH (M)	COUPLING WITH DRIVES
CBLSP12-SCP0/0000-035	12	3.5	
CBLSP12-SCP0/0000-050	12	5	
CBLSP12-SCP0/0000-070	12	7	
CBLSP12-SCP0/0000-100	12	10	
CBLSP12-SCP0/0000-150	12	15	
CBLSP12-SCP0/0000-200	12	20	
CBLSP12-SCP0/0000-250	12	25°	
CBLSP12-SCP0/0000-300	12	30°	
CBLSP20-SCP0/0000-035	20	3.5	All types
CBLSP20-SCP0/0000-050	20	5	
CBLSP20-SCP0/0000-070	20	7	
CBLSP20-SCP0/0000-100	20	10	
CBLSP20-SCP0/0000-150	20	15	
CBLSP20-SCP0/0000-200	20	20	
CBLSP20-SCP0/0000-250°	20	25°	
CBLSP20-SCP0/0000-300°	20	30°	

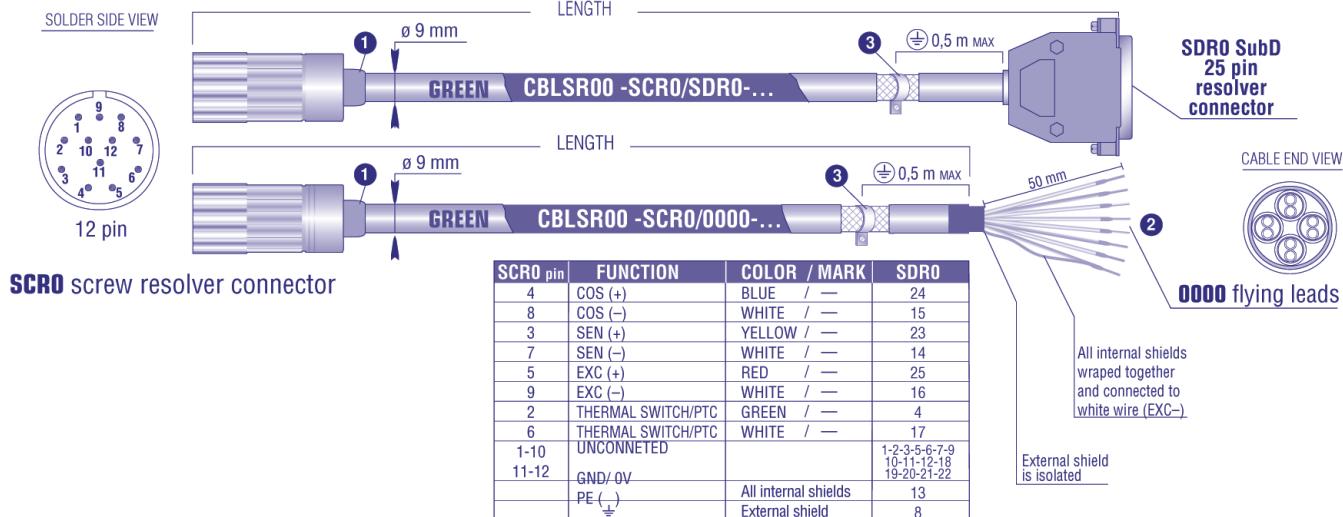
* = The current rating must be based on the Io (Arms) motor current

° = For 25 and 30 m power cable length a 3 Ph choke must be wired into the motor lead. Contact AXOR's technical department for details.

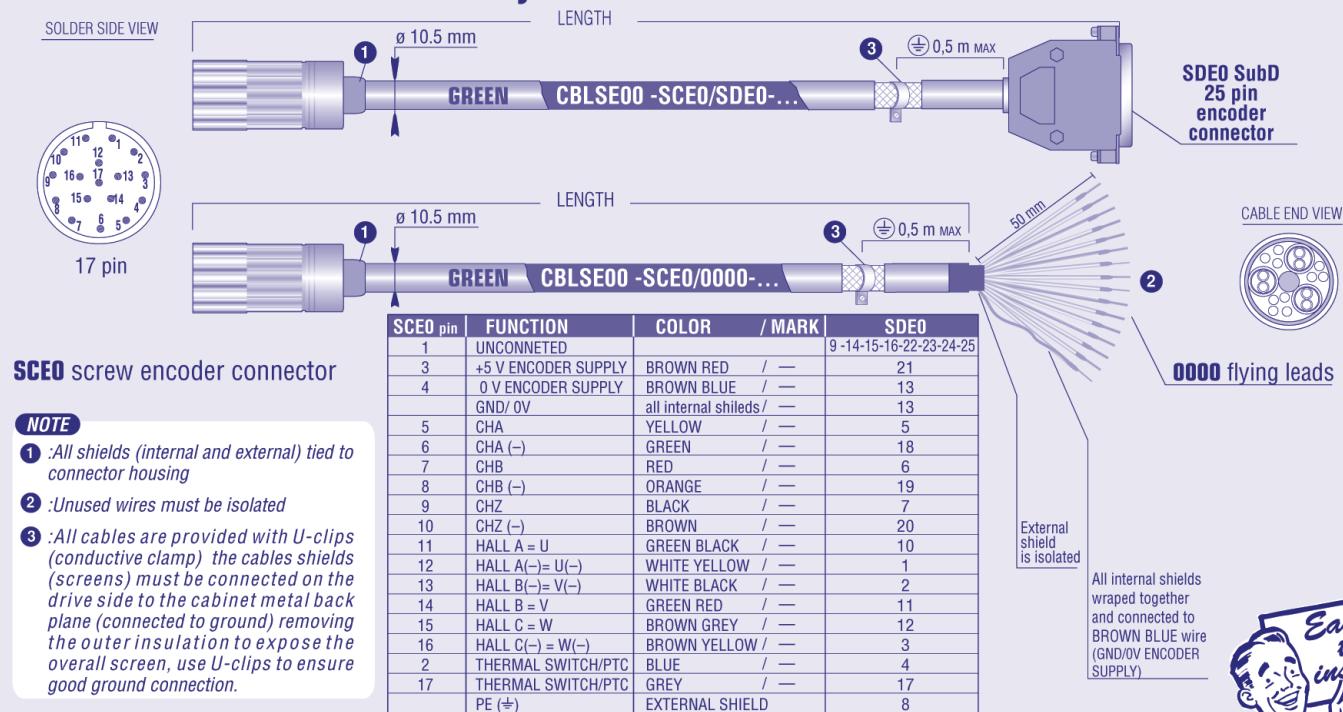
Motor power cable assembly 12/20 Amp current rating



Resolver feedback cable assembly



Encoder feedback cable assembly



ORDERING CODE

Example:

CBLS P 12 - SCPO / 0000 - 100

NAME: Preassembled cables coupling with SSAX servomotors

TYPE:
P= Power cable (orange)
R= Resolver cable (green)
E= Commutation encoder cable (green)

CURRENT RATING:
12= Up to 12 Arms
20= Up to 20 Arms
00= Feedback cable

ASSEMBLY MOTOR SIDE:
SCPO= Screw power connector
SCEO= Screw encoder connector
SCRO= Screw resolver connector

ASSEMBLY DRIVE SIDE:
0000 = Flying leads (no connector)
SDRO = SubD resolver connector (25 pin)
SDEO = SubD encoder connector (25 pin)

LENGTH:
035= 3,5m
050= 5 m
070= 7 m
100= 10 m
150= 15 m
200= 20 m
250= 25 m
300= 30 m