



CBLK

FAST-BACK CABLES

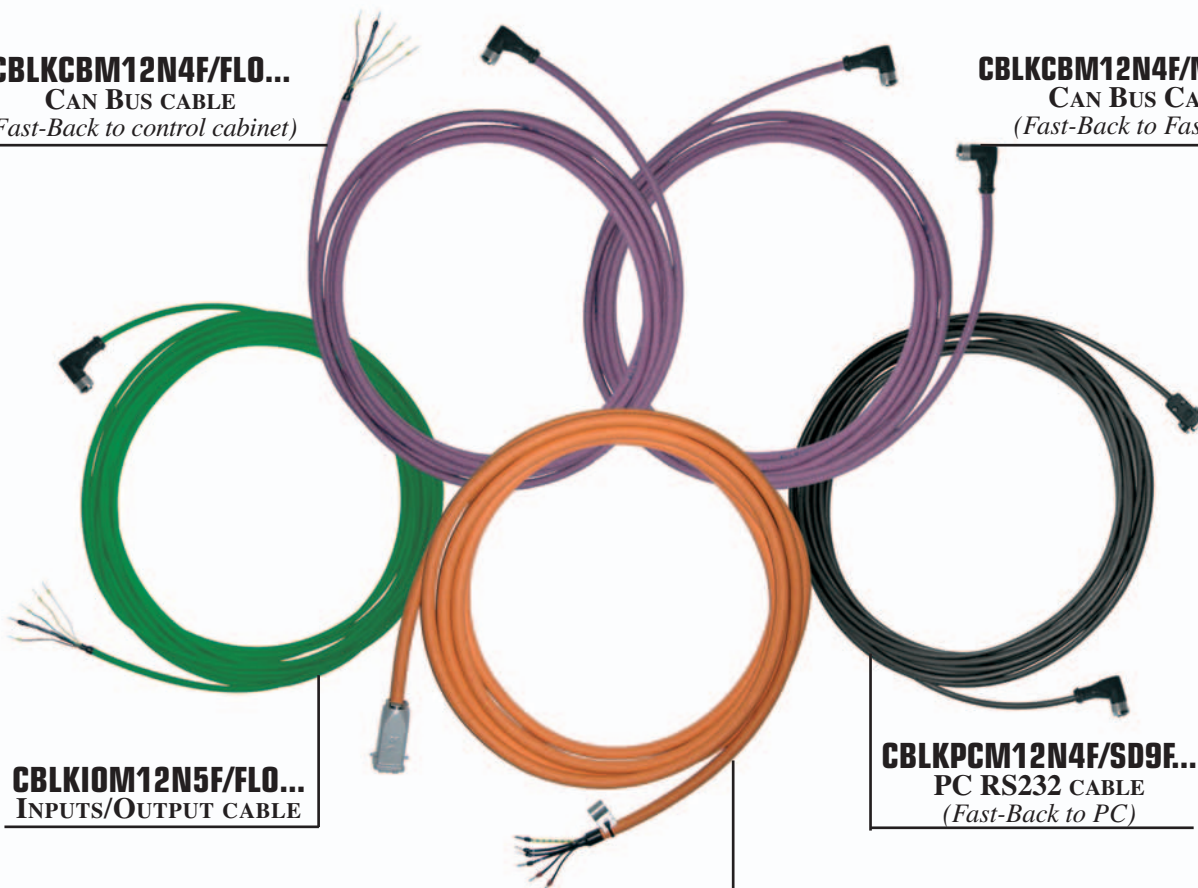


CBLK

Preassembled shielded power supply and signals cables for plug-n-play of Fast-Back® powered brushless servomotors. All cables are for mobile usage.

CBLKCBM12N4F/FLO...
CAN BUS CABLE
(Fast-Back to control cabinet)

CBLKCBM12N4F/M12N4F...
CAN BUS CABLE
(Fast-Back to Fast-Back)



CBLKIOM12N5F/FLO...
INPUTS/OUTPUT CABLE

CBLKPCM12N4F/SD9F...
PC RS232 CABLE
(Fast-Back to PC)

CBLKPSBCS5F/FLO...
POWER SUPPLY CABLE
(Control cabinet to Fast-Back)



STANDARD FEATURES

- ✓ Suitable for cable chain tracks
- ✓ External sheathing: PUR polyurethane - 11Y
DESINA® colours code
- ✓ Conductor insulation: TPE polyester - 12Y
DIN 47100 colour
- ✓ - CE - DIN VDE approvals
- ✓ RoHS compliant
- ✓ Halogen - free
- ✓ Flame retardant and self extinguishing
- ✓ Oil and chemical resistant

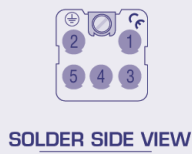
SPECIFICATIONS

(All technical data refer to cables in mobile usage)

- ✓ Trailing speed 200m/min max
- ✓ Acceleration/Dec. 30m/sec² max
- ✓ Operating life 4 million bending cycles
- ✓ Minimum bending radius: 12 x cable diameter
- ✓ Capacitance between conductors:
 - power supply cable < 100pF/m (60°C)
 - digital I/O cable < 100pF/m (60°C)
 - CAN BUS cable < 50pF/m (60°C)
- ✓ Conductor resistance (20°C):
 - 1.5 mm² = 13.5 Ω /Km max
 - 1.0 mm² = 19.5 Ω /Km max
 - 0.34 mm² = 58 Ω /Km max
- ✓ Working voltage:
 - For conductors ≤ 1 mm² = 300V
 - For conductors ≥ 1.5 mm² = 1000V
- ✓ Operating temperature: - 20 ÷ +70 °C

MECHANICAL and CONNECTION DATA

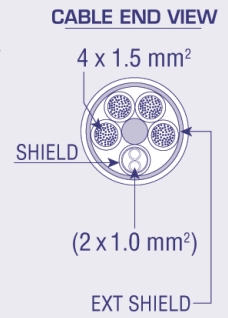
Power supply cable assembly



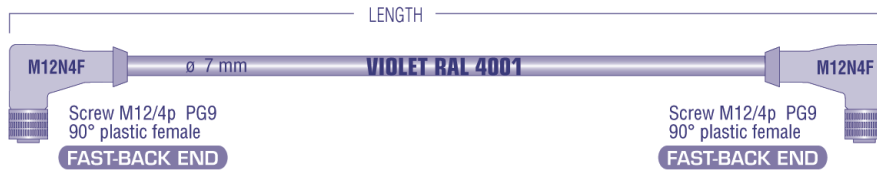
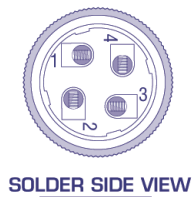
Bayonet 5p+PE straight metallic female
FAST-BACK END

BCS5F	FUNCTION	(mm ²)	WIRE COLOR	FLO
1	Power Supply L1	1.5	Black 1 U	L1
2	Power Supply L2	1.5	Black 2 V	L2
4	Power Supply L3	1.5	Black 3 W	L3
3	+24 Vdc back-up	1.0	Black BR1	+ 24 Vdc
5	0 Vdc back-up	1.0	Black BR2	0 Vdc
⊕	PE	1.5	Green-Yellow	—
Isolated	Internal and Ext. Shields		Silver+Black sheating	—

FLO Flying leads
CONTROL CABINET END

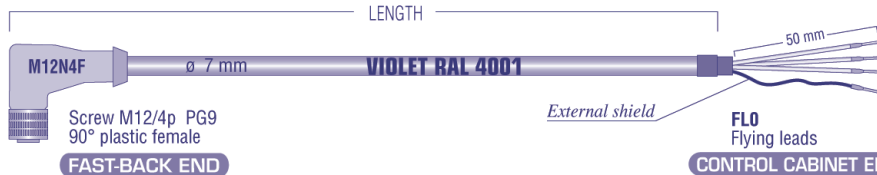


Can Bus cable assembly



Screw M12/4p PG9 90° plastic female
FAST-BACK END

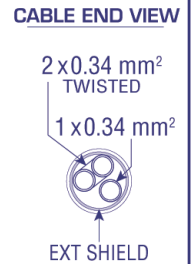
Screw M12/4p PG9 90° plastic female
FAST-BACK END



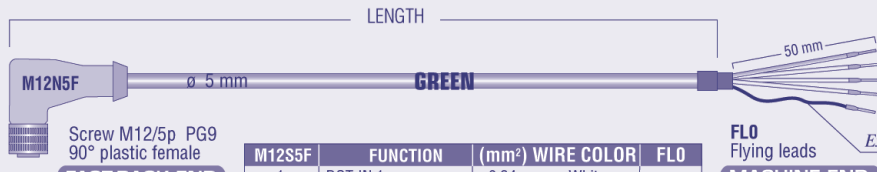
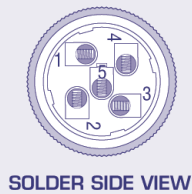
Screw M12/4p PG9 90° plastic female
FAST-BACK END

External shield
FLO Flying leads
CONTROL CABINET END

M12S4F	FUNCTION	(mm ²)	WIRE COLOR	M12S4F	FLO
2	CAN L	0.34	White	2	—
4	CAN H	0.34	Brown	4	—
3	PGND (OV CAN)	0.34	Green	3	—
1	PE (External shield)		Silver+Black sheating	1	—



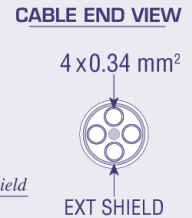
Inputs/Output cable assembly



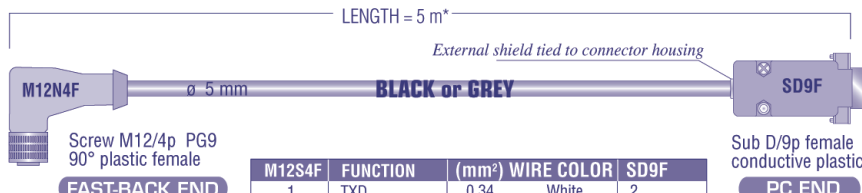
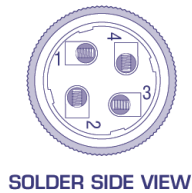
Screw M12/5p PG9 90° plastic female
FAST-BACK END

FLO Flying leads
MACHINE END

M12S5F	FUNCTION	(mm ²)	WIRE COLOR	FLO
1	DGT-IN 1	0.34	White	—
2	DGT-IN 2	0.34	Brown	—
3	DGT-OUT 1	0.34	Green	—
4	DGT-IN/OUT RTN	0.34	Yellow	—
5	PE (External shield)		Silver+Black sheating	—



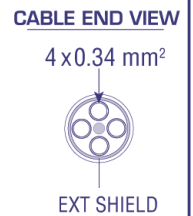
PC interface cable assembly (RS232)



Screw M12/4p PG9 90° plastic female
FAST-BACK END

Sub D/9p female conductive plastic
PC END

M12S4F	FUNCTION	(mm ²)	WIRE COLOR	SD9F
1	TXD	0.34	White	2
2	RXD	0.34	Brown	3
3	PGND	0.34	Green	5
4	UNCONNECTED	0.34	Yellow	6 - 7 - 8 - 9
Isolated	PE External shield		Silver	Connector housing



*= The RS232 PC interface cable is available with 5m length only

ORDERING CODE **BLK PS - BCS5F / FLO - 100 5000**

NAME: Fast-Back preassembled cables

CABLE TYPE:
PS = Power Supply cable
CB = Can Bus cable
IO = I/O cable
PC = RS232 PC Interface cable

ASSEMBLY FAST-BACK SIDE:
BCS5F = Bayonet straight 5p+PE Female
M12S4F = Screw M12 straight 4p Female
M12N4F = Screw M12 90° 4p Female
M12S5F = Screw M12 straight 5p Female
M12N5F = Screw M12 90° 5p Female

ASSEMBLY OTHER SIDE :
FLO = Flying leads (no connector)
M12S4F = Screw M12 straight 4p Female
M12N4F = Screw M12 90° 4p Female
SD9F = Sub D straight 9p Female
BCS5M = Bayonet straight 5p+PE Male

LENGTH:
020 = 2 m
030 = 3 m
040 = 4 m
050 = 5 m
060 = 6 m
080 = 8 m
100 = 10 m
150 = 15 m
200 = 20 m
250 = 25 m

SPECIFIC NUMBER PRESENCE (opt):
S001-S999= specific number

Specifications subject to change without notice. This document has been carefully checked. However, Axor does not assume liability for errors or inaccuracies. © COPYRIGHT 2008 AXOR INDUSTRIES. All rights reserved. Printed in Italy. 01/08

Part number D.S./01.08/CBLK/01