

Harnessed drive cables | B&R
PVC/PUR

* Technical information on the cable quality (Code **01-31**): ► Page 568-571

Cable quality	Part No.	Number of cores and conductor nominal cross section	Ø	R min.
		[mm²]	[mm]	[x d]

B&R Motor cables

Basic cable



8BCMxxxx.1011A-0				
PVC M.I.	05	MAT9610008	(4G0.75+2x(2x0.34)C)C	12.5 7.5
PUR O.I.	06	MAT9850108	(4G0.75+2x(2x0.34)C)C	12.0 10
PUR M.I.	07	MAT9600008	(4G0.75+2x(2x0.34)C)C	12.5 7.5

Basic cable



8BCMxxxx.1034C-0				
PVC M.I.	05	MAT9610009	(4G0.75+2x(2x0.34)C)C	12.5 7.5
PUR O.I.	06	MAT9850109	(4G0.75+2x(2x0.34)C)C	12.0 10
PUR M.I.	07	MAT9600009	(4G0.75+2x(2x0.34)C)C	12.5 7.5

Basic cable



8BCMxxxx.1312A-0				
PVC O.I.	04	MAT9750106	(4G4.0+2x(2x1.5)C)C	17.0 10
PVC M.I.	05	MAT9610012	(4G4.0+2x(2x1.5)C)C	18.0 7.5
PUR O.I.	06	MAT9850106	(4G4.0+2x(2x1.5)C)C	17.0 10
PUR M.I.	07	MAT9600012	(4G4.0+2x(2x1.5)C)C	17.5 7.5

Basic cable



8BCMxxxx.1322A-0				
PVC O.I.	04	MAT9750107	(4G4.0+2x(2x1.5)C)C	17.0 10
PVC M.I.	05	MAT9610013	(4G4.0+2x(2x1.5)C)C	18.0 7.5
PUR O.I.	06	MAT9850107	(4G4.0+2x(2x1.5)C)C	17.0 10
PUR M.I.	07	MAT9600013	(4G4.0+2x(2x1.5)C)C	17.5 7.5

Basic cable



8CMxxx.12-0				
PVC M.I.	05	MAT9610000	(4G0.75+2x(2x0.34)C)C	12.5 7.5
PUR O.I.	06	MAT9850100	(4G0.75+2x(2x0.34)C)C	12.0 10
PUR M.I.	07	MAT9600000	(4G0.75+2x(2x0.34)C)C	12.5 7.5

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits. Example image.
igus® gladly pre-harnesses the cable according to your technical guidelines. **G** = with green-yellow earth core, **x** = without earth core
* Cable qualities: **M.I.** = with inner jacket, **O.I.** = without inner jacket, **F** = flame-retardant, **H** = halogen-free **OIL** = oil-resistant igus® GmbH defines cable length as entire length including connectors or open harnessing. ► Page 915

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		[mm²]	[mm]	[x d]

B&R Servo cables

Basic cable



8BCMxxxx.1111A-0				
PVC O.I.	04	MAT9750104	(4G1.5+2x(2x0.75)C)C	13.5 10
PVC M.I.	05	MAT9610010	(4G1.5+2x(2x0.75)C)C	14.5 7.5
PUR O.I.	06	MAT9850104	(4G1.5+2x(2x0.75)C)C	13.5 10
PUR M.I.	07	MAT9600010	(4G1.5+2x(2x0.75)C)C	14.5 7.5

8BCMxxxx.1311A-0				
PVC O.I.	04	MAT9750105	(4G4.0+2x(2x1.5)C)C	17.0 10
PVC M.I.	05	MAT9610011	(4G1.5+2x(2x0.75)C)C	14.5 7.5
PUR O.I.	06	MAT9850105	(4G4.0+2x(2x1.5)C)C	17.0 10
PUR M.I.	07	MAT9600011	(4G1.5+2x(2x0.75)C)C	14.5 7.5

Basic cable



8CMxxx.12-1				
PVC O.I.	04	MAT9750101	(4G1.5+2x(2x0.75)C)C	13.5 10
PVC M.I.	05	MAT9610001	(4G1.5+2x(2x0.75)C)C	14.5 7.5
PUR O.I.	06	MAT9850101	(4G1.5+2x(2x0.75)C)C	13.5 10
PUR M.I.	07	MAT9600001	(4G1.5+2x(2x0.75)C)C	14.5 7.5

8CMxxx.12-3				
PVC O.I.	04	MAT9750102	(4G4.0+2x(2x1.5)C)C	17.0 10
PVC M.I.	05	MAT9610002	(4G4.0+2x(2x1.5)C)C	18.0 7.5
PUR O.I.	06	MAT9850102	(4G4.0+2x(2x1.5)C)C	17.0 10
PUR M.I.	07	MAT9600002	(4G4.0+2x(2x1.5)C)C	17.5 7.5

8CMxxx.12-5				
PVC M.I.	05	MAT9610003	(4G10+2x(2x1.5)C)C	23.0 7.5
PUR O.I.	06	MAT9850103	(4G10+2x(2x1.5)C)C	22.5 10
PUR M.I.	07	MAT9600003	(4G10+2x(2x1.5)C)C	22.5 7.5

Basic cable



8ECHxxxx.1111A-0				
PUR O.I.	27	MAT9850114	(4G1.5+(2x0.75)C +(2x2x0.14+2x0.25)C)C	15.0 10

Extension cable



8BCFxxxx.12230-0				
PVC	08	MAT9740101	((4x0.14)+2x(2x0.34))C	7.0 10
PUR O.I.	09	MAT9840115	((4x0.14)+2x(2x0.34))C	7.0 10

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Harnessed drive cables | B&R
PVC/PUR/TPE

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		[mm²]	[mm]	[x d]

B&R Servo cables

Extension cable



8BCMxxxx.10360-0				
PVC M.I.	05	MAT9750108	(4G0.75+2x(2x0.34))C	12.5 7.5
PUR O.I.	06	MAT9850115	(4G0.75+2x(2x0.34))C	12.0 10
PUR M.I.	07	MAT9850116	(4G0.75+2x(2x0.34))C	12.5 7.5

Extension cable



8ECH00xx.11140-0				
PUR O.I.	27	MAT9850117	(4G1.5+(2x0.75)C + (2x2x0.14+2x0.25)C)C	15.0 10

B&R EnDat cables

Basic cable



8BCExxxx.1111A-0				
PVC	08	MAT9670002	(5x(2x0.14)+2x0.5)C	8.0 10
PUR M.I.	10	MAT9820102	(5x(2x0.14)+2x0.5)C	9.0 7.5
TPE H*	11	MAT9660002	(5x(2x0.14)+2x0.5)C	8.5 6.8
8CExxx.12-1				
PVC	08	MAT9670001	(5x(2x0.14)+2x0.5)C	8.0 10
PUR M.I.	10	MAT9820101	(5x(2x0.14)+2x0.5)C	9.0 7.5
TPE H*	11	MAT9660001	(5x(2x0.14)+2x0.5)C	8.5 6.8

B&R Encoder cables

Basic cable



8BCFxxxx.1221B-0				
PVC	08	MAT9670003	((4x0.14)+2x(2x0.34))C	7.0 10
PUR O.I.	09	MAT9840103	((4x0.14)+2x(2x0.34))C	7.0 10

Basic cable



8BCRxxxx.1121A-0				
PVC	14	MAT9640015	(3x(2x0.25))C	7.0 7.5
PUR	15	MAT9840105	(3x(2x0.25))C	7.0 7.5
TPE H*	16	MAT9630015	(3x(2x0.25))C	8.0 6.8

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		[mm²]	[mm]	[x d]

B&R Encoder cables

Basic cable



8BCSxxxx.1111A-0				
PVC	08	MAT9670004	(5x(2x0.14)+2x0.5)C	8.0 10
PUR O.I.	09	MAT9840114	(5x(2x0.14)+2x0.5)C	8.0 10
PUR M.I.	10	MAT9820104	(5x(2x0.14)+2x0.5)C	9.0 7.5
TPE H*	11	MAT9660004	(5x(2x0.14)+2x0.5)C	8.5 6.8

B&R Resolver cables

Basic cable



8BCRxxx.1111A-0				
PVC	14	MAT9640010	(3x(2x0.25))C	7.0 7.5
PUR	15	MAT9840102	(3x(2x0.25))C	7.0 7.5
TPE H*	16	MAT9630010	(3x(2x0.25))C	8.0 6.8
8CRxxx.12-1				
PVC	14	MAT9640001	(3x(2x0.25))C	7.0 7.5
PUR	15	MAT9840101	(3x(2x0.25))C	7.0 7.5
TPE H*	16	MAT9630001	(3x(2x0.25))C	8.0 6.8

B&R Bus cables

Basic cable



X20CA3E61.xxxx				
PVC OIL	28	MAT9630100	(4x0.38)C	7.0 12.5
PUR	29	MAT9730101	(4x0.38)C	7.0 12.5
TPE	12	MAT9930102	(4x0.38)C	7.5 10

Basic cable



X67CA0E41.xxxx				
PVC OIL	28	MAT9630103	(4x0.38)C	7.0 12.5
PUR	29	MAT9730104	(4x0.38)C	7.0 12.5
TPE	12	MAT9930105	(4x0.38)C	7.5 10

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