

# Harnessed drive cables | Beckhoff

## 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 [mm <sup>2</sup> ]	Ø [mm]	R min. [x d]
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### Beckhoff Motor cables

#### Basic cable



#### ZK4500-8015-xxx

PUR O.I.	06	MAT9850314	(4G4.0+(2x1.0)C+(2xAWG22)C)C	16.0	10
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#### ZK4500-8024-xxx

PVC O.I.	04	MAT9750312	(4G2.5+(2x1.0)C+(2xAWG22)C)C	15.0	10
PUR O.I.	06	MAT9850312	(4G2.5+(2x1.0)C+(2xAWG22)C)C	15.0	10

#### Basic cable



#### ZK4501-8024-xxx

PVC O.I.	04	MAT9750313	(4G2.5+(2x1.0)C+(2xAWG22)C)C	15.0	10
PUR O.I.	06	MAT9850313	(4G2.5+(2x1.0)C+(2xAWG22)C)C	15.0	10

#### Basic cable



#### ZK4530-8110-xxxx

PVC	14	MAT9381006	(4x(2x0.25))C	7.5	7.5
PUR	15	MAT9382006	(4x(2x0.25))C	7.5	7.5

#### Extension cable



#### ZK4704-0411-xxxx

PVC M.I.	05	MAT9371008	(4G0.75+(2x0.5)C)C	11.0	7.5
PUR M.I.	07	MAT9750316	(4G0.75+(2x0.5)C)C	11.5	7.5

### Beckhoff Servo cables

#### Basic cable



#### ZK4000-2111-xxxx

PVC O.I.	04	MAT9750305	(4G1.5+(2x1.5)C)	12.5	10
PVC M.I.	05	MAT9371005	(4G1.5+(2x1.5)C)	13.0	7.5
PUR O.I.	06	MAT9850305	(4G1.5+(2x1.5)C)	12.5	10
PUR M.I.	07	MAT9372005	(4G1.5+(2x1.5)C)	13.0	7.5

#### Basic cable



#### ZK4000-2112-xxxx

PVC O.I.	04	MAT9750306	(4G2.5+(2x1.5)C)C	14.0	10
PVC M.I.	05	MAT9371006	(4G2.5+(2x1.5)C)C	14.5	7.5
PUR O.I.	06	MAT9850306	(4G2.5+(2x1.5)C)C	14.0	10
PUR M.I.	07	MAT9372006	(4G2.5+(2x1.5)C)C	14.5	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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### Beckhoff Servo cables

#### Basic cable



#### ZK4000-2711-xxxx

PVC O.I.	04	MAT9750307	(4G1.5+(2x1.5)C)	12.5	10
PVC M.I.	05	MAT9371007	(4G1.5+(2x1.5)C)	13.0	7.5
PUR O.I.	06	MAT9850307	(4G1.5+(2x1.5)C)	12.5	10
PUR M.I.	07	MAT9372007	(4G1.5+(2x1.5)C)	13.0	7.5

#### Basic cable



#### ZK4500-0023-xxxx

PVC O.I.	04	MAT9750301	(4G1.5+2x(2x0.75)C)C	13.5	10
PVC M.I.	05	MAT9371001	(4G1.5+2x(2x0.75)C)C	14.5	7.5
PUR O.I.	06	MAT9850301	(4G1.5+2x(2x0.75)C)C	13.5	10
PUR M.I.	07	MAT9372001	(4G1.5+2x(2x0.75)C)C	14.5	7.5

#### Basic cable



#### ZK4500-0024-xxxx

PVC O.I.	04	MAT9750302	(4G2.5+2x(2x1.5)C)C	16.0	10
PVC M.I.	05	MAT9371002	(4G2.5+2x(2x1.5)C)C	17.0	7.5
PUR O.I.	06	MAT9850302	(4G2.5+2x(2x1.5)C)C	16.0	10
PUR M.I.	07	MAT9372002	(4G2.5+2x(2x1.5)C)C	16.0	7.5

#### Extension cable



#### ZK4501-0023-xxxx

PVC O.I.	04	MAT9750303	(4G1.5+2x(2x0.75)C)C	13.5	10
PVC M.I.	05	MAT9371003	(4G1.5+2x(2x0.75)C)C	14.5	7.5
PUR O.I.	06	MAT9850303	(4G1.5+2x(2x0.75)C)C	13.5	10
PUR M.I.	07	MAT9372003	(4G1.5+2x(2x0.75)C)C	14.5	7.5

#### Extension cable



#### ZK4501-0024-xxxx

PVC O.I.	04	MAT9750304	(4G2.5+2x(2x1.5)C)C	16.0	10
PVC M.I.	05	MAT9371004	(4G2.5+2x(2x1.5)C)C	17.0	7.5
PUR O.I.	06	MAT9850304	(4G2.5+2x(2x1.5)C)C	16.0	10
PUR M.I.	07	MAT9372004	(4G2.5+2x(2x1.5)C)C	16.0	7.5

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Cable quality	Part No.	Number of cores and conductor nominal cross section [mm <sup>2</sup> ]	Ø [mm]	R min. [x d]
<b>Beckhoff Hybrid servo cables</b>				
<b>Basic cable</b>				
<b>ZK4500-8022-xxxx</b>				
PVC O.I.	26	MAT9750308	(4G1.0+(2x0.75)C+(2xAWG22)C)C	12.0 10
PUR O.I.	27	MAT9850308	(4G1.0+(2x0.75)C+(2xAWG22)C)C	12.0 10
<b>Basic cable</b>				
<b>ZK4500-8023-xxxx</b>				
PVC O.I.	26	MAT9750309	(4G2.5+(2x1.0)C+(2xAWG22)C)C	14.5 10
PUR O.I.	27	MAT9850309	(4G2.5+(2x1.0)C+(2xAWG22)C)C	14.5 10
<b>Basic cable</b>				
<b>ZK4704-0421-xxxx</b>				
PVC O.I.	26	MAT9750315	(4G0.75+(2x0.34)C+(2xAWG22)C)C	12.0 10
PUR O.I.	27	MAT9850315	(4G0.75+(2x0.34)C+(2xAWG22)C)C	12.0 10
<b>Extension cable</b>				
<b>ZK4501-8022-xxxx</b>				
PVC O.I.	26	MAT9750310	(4G1.0+(2x0.75)C+(2xAWG22)C)C	12.0 10
PUR O.I.	27	MAT9850310	(4G1.0+(2x0.75)C+(2xAWG22)C)C	12.0 10
<b>Extension cable</b>				
<b>ZK4501-8023-xxxx</b>				
PVC O.I.	26	MAT9750311	(4G1.5+(2x0.75)C+(2xAWG22)C)C	13.0 10
PUR O.I.	27	MAT9850311	(4G1.5+(2x0.75)C+(2xAWG22)C)C	13.0 10
<b>Beckhoff Encoder cables</b>				
<b>Basic cable</b>				
<b>ZK4000-2410-xxxx</b>				
PVC	14	MAT9381005	(8x(2x0.25))C	10.5 7.5
PUR	15	MAT9382005	(8x(2x0.25))C	10.5 7.5
<b>Basic cable</b>				
<b>ZK4000-2610-xxxx</b>				
PVC	14	MAT9381004	(8x(2x0.25))C	10.5 7.5
PUR	15	MAT9382004	(8x(2x0.25))C	10.5 7.5

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<b>Beckhoff Encoder cables</b>				
<b>Basic cable</b>				
<b>ZK4510-0020-xxxx</b>				
PVC	14	MAT9381001	(8x(2x0.25))C	10.5 7.5
PUR	15	MAT9382001	(8x(2x0.25))C	10.5 7.5
<b>Basic cable</b>				
<b>ZK4520-0020-xxxx</b>				
PVC	14	MAT9381002	(6x(2x0.25))C	9.0 7.5
PUR	15	MAT9382002	(6x(2x0.25))C	9.0 7.5
<b>Extension cable</b>				
<b>ZK4511-0020-xxxx</b>				
PVC	14	MAT9381003	(8x(2x0.25))C	10.5 7.5
PUR	15	MAT9382003	(8x(2x0.25))C	10.5 7.5
<b>Beckhoff Thermal protection cables</b>				
<b>Basic cable</b>				
<b>ZK4000-2510-xxxx</b>				
PVC	14	MAT9386001	(2x0.25)C	5.0 7.5
TPE H*	11	MAT9387001	(4x0.34)C	6.0 6.8
<b>Beckhoff Resolver cables</b>				
<b>Basic cable</b>				
<b>ZK4000-2210-xxxx</b>				
PVC	14	MAT9383003	(4x(2x0.25))C	7.5 7.5
PUR	15	MAT9384003	(4x(2x0.25))C	7.5 7.5
TPE H*	16	MAT9920303	(4x(2x0.25))C	8.5 6.8
<b>Basic cable</b>				
<b>ZK4530-0010-xxxx</b>				
PVC	14	MAT9383001	(4x(2x0.25))C	7.5 7.5
PUR	15	MAT9384001	(4x(2x0.25))C	7.5 7.5
TPE H*	16	MAT9920301	(4x(2x0.25))C	8.5 6.8

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### Beckhoff Resolver cables

#### Basic cable



#### ZK4530-8010-xxxx

PVC	14	MAT9383005	(4x(2x0.25))C	7.5	7.5
PUR	15	MAT9384005	(4x(2x0.25))C	7.5	7.5
TPE H*	16	MAT9920306	(4x(2x0.25))C	8.5	6.8

#### Extension cable

#### ZK4531-0020-xxxx

PVC	14	MAT9383002	(4x(2x0.25))C	7.5	7.5
PUR	15	MAT9384002	(4x(2x0.25))C	7.5	7.5
TPE H*	16	MAT9920302	(4x(2x0.25))C	8.5	6.8

#### Extension cable



#### ZK4724-0410-xxxx

PVC	14	MAT9383004	(3x(2x0.25))C	7.0	7.5
PUR	15	MAT9384004	(3x(2x0.25))C	7.0	7.5
TPE H*	16	MAT9920305	(3x(2x0.25))C	8.0	6.8

### Beckhoff Network cables EtherCAT

#### Basic cable



#### ZK1090-9191-xxxx

PUR	29	MAT9385003	(4x(2x0.15))C	7.5	12.5
TPE	12	MAT9385002	(4x(2x0.15))C	8.5	10

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# Harnessed drive cables | Berger Lahr

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### Berger Lahr Servo cables

#### Basic cable



#### VW3M5101Rxxx

PVC O.I.	04	MAT94503001	(4G1.5+(2x1.5)C)	12.5	10
PVC M.I.	05	MAT94502001	(4G1.5+(2x1.5)C)	13.0	7.5
PUR O.I.	06	MAT94501001	(4G1.5+(2x1.5)C)	12.5	10
PUR M.I.	07	MAT94500001	(4G1.5+(2x1.5)C)	13.0	7.5

#### VW3M5102Rxxx

PVC O.I.	04	MAT94503002	(4G2.5+(2x1.5)C)C	14.0	10
PVC M.I.	05	MAT94502003	(4G2.5+(2x1.5)C)C	14.5	7.5
PUR O.I.	06	MAT94501003	(4G2.5+(2x1.5)C)C	14.0	10
PUR M.I.	07	MAT94500003	(4G2.5+(2x1.5)C)C	14.5	7.5

### Berger Lahr Resolver cables

#### Basic cable



#### VW3M8101Rxxx

PVC	08	MAT94603001	(4x(2x0.34)+4x0.5)C	9.5	10
PUR M.I.	10	MAT94601001	(4x(2x0.34)+4x0.5)C	10.0	7.5
TPE H*	11	MAT94600001	(4x(2x0.34)+4x0.5)C	10.0	6.8

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