

* 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 ²]	Ø [mm]	R min. [x d]
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Nidec/Control Techniques Motor cables

Basic cable



PS B A A A XXX				
PVC M.I.	01	MAT9560002	(4G2.5)C	11.5 7.5
TPE F	02	MAT9540002	(4G2.5)C	11.5 7.5
TPE H*	03	MAT9960502	(4G2.5)C	11.5 7.5
PS B A F A XXX				
PVC M.I.	01	MAT9560005	(4G2.5)C	11.5 7.5
TPE F	02	MAT9540005	(4G2.5)C	11.5 7.5
TPE H*	03	MAT9960505	(4G2.5)C	11.5 7.5
PS B B A A XXX				
PVC M.I.	01	MAT9560003	(4G4.0)C	13.0 7.5
TPE F	02	MAT9540003	(4G4.0)C	13.0 7.5
TPE H*	03	MAT9960503	(4G4.0)C	13.0 7.5
PS B B F A XXX				
PVC M.I.	01	MAT9560006	(4G4.0)C	13.0 7.5
TPE F	02	MAT9540006	(4G4.0)C	13.0 7.5
TPE H*	03	MAT9960506	(4G4.0)C	13.0 7.5
PS B G A A XXX				
PVC M.I.	01	MAT9560001	(4G1.5)C	10.0 7.5
TPE F	02	MAT9540001	(4G1.5)C	10.0 7.5
TPE H*	03	MAT9960501	(4G1.5)C	10.0 7.5
PS B G F A XXX				
PVC M.I.	01	MAT9560004	(4G1.5)C	10.0 7.5
TPE F	02	MAT9540004	(4G1.5)C	10.0 7.5
TPE H*	03	MAT9960504	(4G1.5)C	10.0 7.5

Basic cable



PS B A A B XXX				
PVC M.I.	01	MAT9560008	(4G2.5)C	11.5 7.5
TPE F	02	MAT9540008	(4G2.5)C	11.5 7.5
TPE H*	03	MAT9960508	(4G2.5)C	11.5 7.5
PS B A B B XXX				
PVC M.I.	01	MAT9560020	(4G2.5)C	11.5 7.5
TPE F	02	MAT9540020	(4G2.5)C	11.5 7.5
TPE H*	03	MAT9960520	(4G2.5)C	11.5 7.5
PS B A F B XXX				
PVC M.I.	01	MAT9560014	(4G2.5)C	11.5 7.5
TPE F	02	MAT9540014	(4G2.5)C	11.5 7.5
TPE H*	03	MAT9960514	(4G2.5)C	11.5 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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Nidec/Control Techniques Motor cables

PS B B A B XXX				
PVC M.I.	01	MAT9560009	(4G4.0)C	13.0 7.5
TPE F	02	MAT9540009	(4G4.0)C	13.0 7.5
TPE H*	03	MAT9960509	(4G4.0)C	13.0 7.5
PS B B B B XXX				
PVC M.I.	01	MAT9560021	(4G4.0)C	13.0 7.5
TPE F	02	MAT9540021	(4G4.0)C	13.0 7.5
TPE H*	03	MAT9960521	(4G4.0)C	13.0 7.5
PS B B F B XXX				
PVC M.I.	01	MAT9560015	(4G4.0)C	13.0 7.5
TPE F	02	MAT9540015	(4G4.0)C	13.0 7.5
TPE H*	03	MAT9960515	(4G4.0)C	13.0 7.5

Basic cable



PS B C A B XXX				
PVC M.I.	01	MAT9560010	(4G6.0)C	16.0 7.5
TPE F	02	MAT9540010	(4G6.0)C	16.0 7.5
TPE H*	03	MAT9960510	(4G6.0)C	16.0 7.5
PS B C B B XXX				
PVC M.I.	01	MAT9560022	(4G6.0)C	16.0 7.5
TPE F	02	MAT9540022	(4G6.0)C	16.0 7.5
TPE H*	03	MAT9960522	(4G6.0)C	16.0 7.5
PS B C F B XXX				
PVC M.I.	01	MAT9560016	(4G6.0)C	16.0 7.5
TPE F	02	MAT9540016	(4G6.0)C	16.0 7.5
TPE H*	03	MAT9960516	(4G6.0)C	16.0 7.5
PS B D A B XXX				
PVC M.I.	01	MAT9560011	(4G10)C	18.5 7.5
TPE F	02	MAT9540011	(4G10)C	18.5 7.5
TPE H*	03	MAT9960511	(4G10)C	18.5 7.5
PS B D B B XXX				
PVC M.I.	01	MAT9560023	(4G10)C	18.5 7.5
TPE F	02	MAT9540023	(4G10)C	18.5 7.5
TPE H*	03	MAT9960523	(4G10)C	18.5 7.5
PS B D F B XXX				
PVC M.I.	01	MAT9560017	(4G10)C	18.5 7.5
TPE F	02	MAT9540017	(4G10)C	18.5 7.5
TPE H*	03	MAT9960517	(4G10)C	18.5 7.5

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* 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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Nidec/Control Techniques Motor cables				
Basic cable				
PS B E A B XXX				
PVC M.I.	01	MAT9560012	(4G16)C	23.0 7.5
TPE F	02	MAT9540012	(4G16)C	23.0 7.5
TPE H*	03	MAT9960512	(4G16)C	23.0 7.5
PS B E B B XXX				
PVC M.I.	01	MAT9560024	(4G16)C	23.0 7.5
TPE F	02	MAT9540024	(4G16)C	23.0 7.5
TPE H*	03	MAT9960524	(4G16)C	23.0 7.5
PS B E F B XXX				
PVC M.I.	01	MAT9560018	(4G16)C	23.0 7.5
TPE F	02	MAT9540018	(4G16)C	23.0 7.5
TPE H*	03	MAT9960518	(4G16)C	23.0 7.5
PS B G A B XXX				
PVC M.I.	01	MAT9560007	(4G1.5)C	10.0 7.5
TPE F	02	MAT9540007	(4G1.5)C	10.0 7.5
TPE H*	03	MAT9960507	(4G1.5)C	10.0 7.5
PS B G B B XXX				
PVC M.I.	01	MAT9560019	(4G1.5)C	10.0 7.5
TPE F	02	MAT9540019	(4G1.5)C	10.0 7.5
TPE H*	03	MAT9960519	(4G1.5)C	10.0 7.5
PS B G F B XXX				
PVC M.I.	01	MAT9560013	(4G1.5)C	10.0 7.5
TPE F	02	MAT9540013	(4G1.5)C	10.0 7.5
TPE H*	03	MAT9960513	(4G1.5)C	10.0 7.5



Nidec/Control Techniques Servo cables

Basic cable				
PB B A A A XXX				
PVC O.I.	04	MAT9750502	(4G2.5+(2x1.5)C)C	14.0 10
PVC M.I.	05	MAT9560041	(4G2.5+(2x1.5)C)C	14.5 7.5
PUR M.I.	07	MAT9540041	(4G2.5+(2x1.5)C)C	14.5 7.5
PB B A F A XXX				
PVC O.I.	04	MAT9750505	(4G2.5+(2x1.5)C)C	14.0 10
PVC M.I.	05	MAT9560044	(4G2.5+(2x1.5)C)C	14.5 7.5
PUR M.I.	07	MAT9540044	(4G2.5+(2x1.5)C)C	14.5 7.5
PB B B A A XXX				
PVC O.I.	04	MAT9750503	(4G4.0+(2x1.5)C)C	15.0 10
PVC M.I.	05	MAT9560042	(4G4.0+(2x1.5)C)C	16.0 7.5
PUR M.I.	07	MAT9540042	(4G4.0+(2x1.5)C)C	16.0 7.5



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Nidec/Control Techniques Servo cables				
PB B B F A XXX				
PVC O.I.	04	MAT9750506	(4G4.0+(2x1.5)C)C	15.0 10
PVC M.I.	05	MAT9560045	(4G4.0+(2x1.5)C)C	16.0 7.5
PUR M.I.	07	MAT9540045	(4G4.0+(2x1.5)C)C	16.0 7.5
PB B G A A XXX				
PVC O.I.	04	MAT9750501	(4G1.5+(2x1.5)C)	12.5 10
PVC M.I.	05	MAT9560040	(4G1.5+(2x1.5)C)	13.0 7.5
PUR M.I.	07	MAT9540040	(4G1.5+(2x1.5)C)	13.0 7.5
PB B G F A XXX				
PVC O.I.	04	MAT9750504	(4G1.5+(2x1.5)C)	12.5 10
PVC M.I.	05	MAT9560043	(4G1.5+(2x1.5)C)	13.0 7.5
PUR M.I.	07	MAT9540043	(4G1.5+(2x1.5)C)	13.0 7.5



Basic cable				
PB B A A B XXX				
PVC O.I.	04	MAT9750508	(4G2.5+(2x1.5)C)C	14.0 10
PVC M.I.	05	MAT9560047	(4G2.5+(2x1.5)C)C	14.5 7.5
PUR M.I.	07	MAT9540047	(4G2.5+(2x1.5)C)C	14.5 7.5
PB B A B B XXX				
PVC O.I.	04	MAT9750516	(4G2.5+(2x1.5)C)C	14.0 10
PVC M.I.	05	MAT9560059	(4G2.5+(2x1.5)C)C	14.5 7.5
PUR M.I.	07	MAT9540059	(4G2.5+(2x1.5)C)C	14.5 7.5
PB B A F B XXX				
PVC O.I.	04	MAT9750512	(4G2.5+(2x1.5)C)C	14.0 10
PVC M.I.	05	MAT9560053	(4G2.5+(2x1.5)C)C	14.5 7.5
PUR M.I.	07	MAT9540053	(4G2.5+(2x1.5)C)C	14.5 7.5
PB B A G B XXX				
PVC O.I.	04	MAT9750520	(4G2.5+(2x1.5)C)C	14.0 10
PVC M.I.	05	MAT9560065	(4G2.5+(2x1.5)C)C	14.5 7.5
PUR M.I.	07	MAT9540065	(4G2.5+(2x1.5)C)C	14.5 7.5
PB B B A B XXX				
PVC O.I.	04	MAT9750509	(4G4.0+(2x1.5)C)C	15.0 10
PVC M.I.	05	MAT9560048	(4G4.0+(2x1.5)C)C	16.0 7.5
PUR M.I.	07	MAT9540048	(4G4.0+(2x1.5)C)C	16.0 7.5
PB B B B B XXX				
PVC O.I.	04	MAT9750517	(4G4.0+(2x1.5)C)C	15.0 10
PVC M.I.	05	MAT9560060	(4G4.0+(2x1.5)C)C	16.0 7.5
PUR M.I.	07	MAT9540060	(4G4.0+(2x1.5)C)C	16.0 7.5
PB B B F B XXX				
PVC O.I.	04	MAT9750513	(4G4.0+(2x1.5)C)C	15.0 10
PVC M.I.	05	MAT9560054	(4G4.0+(2x1.5)C)C	16.0 7.5
PUR M.I.	07	MAT9540054	(4G4.0+(2x1.5)C)C	16.0 7.5

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Nidec/Control Techniques Servo cables				
Basic cable				
				
PB B B G B XXX				
PVC O.I.	04	MAT9750521	(4G4.0+(2x1.5)C)C	15.0 10
PVC M.I.	05	MAT9560066	(4G4.0+(2x1.5)C)C	16.0 7.5
PUR M.I.	07	MAT9540066	(4G4.0+(2x1.5)C)C	16.0 7.5
PB B C A B XXX				
PVC O.I.	04	MAT9750510	(4G6.0+(2x1.5)C)C	16.5 10
PVC M.I.	05	MAT9560049	(4G6.0+(2x1.5)C)C	18.0 7.5
PUR M.I.	07	MAT9540049	(4G6.0+(2x1.5)C)C	17.5 7.5
PB B C B B XXX				
PVC O.I.	04	MAT9750518	(4G6.0+(2x1.5)C)C	16.5 10
PVC M.I.	05	MAT9560061	(4G6.0+(2x1.5)C)C	18.0 7.5
PUR M.I.	07	MAT9540061	(4G6.0+(2x1.5)C)C	17.5 7.5
PB B C F B XXX				
PVC O.I.	04	MAT9750514	(4G6.0+(2x1.5)C)C	16.5 10
PVC M.I.	05	MAT9560055	(4G6.0+(2x1.5)C)C	18.0 7.5
PUR M.I.	07	MAT9540055	(4G6.0+(2x1.5)C)C	17.5 7.5
PB B C G B XXX				
PVC O.I.	04	MAT9750522	(4G6.0+(2x1.5)C)C	16.5 10
PVC M.I.	05	MAT9560067	(4G6.0+(2x1.5)C)C	18.0 7.5
PUR M.I.	07	MAT9540067	(4G6.0+(2x1.5)C)C	17.5 7.5
PB B D A B XXX				
PVC M.I.	05	MAT9560050	(4G10+(2x1.5)C)C	21.5 7.5
PUR M.I.	07	MAT9540050	(4G10+(2x1.5)C)C	21.0 7.5
PB B D B B XXX				
PVC M.I.	05	MAT9560062	(4G10+(2x1.5)C)C	21.5 7.5
PUR M.I.	07	MAT9540062	(4G10+(2x1.5)C)C	21.0 7.5
PB B D F B XXX				
PVC M.I.	05	MAT9560056	(4G10+(2x1.5)C)C	21.5 7.5
PUR M.I.	07	MAT9540056	(4G10+(2x1.5)C)C	21.0 7.5
PB B D G B XXX				
PVC M.I.	05	MAT9560068	(4G10+(2x1.5)C)C	21.5 7.5
PUR M.I.	07	MAT9540068	(4G10+(2x1.5)C)C	21.0 7.5
PB B E A B XXX				
PVC M.I.	05	MAT9560051	(4G16+(2x1.5)C)C	25.0 7.5
PUR M.I.	07	MAT9540051	(4G16+(2x1.5)C)C	24.0 7.5
PB B E B B XXX				
PVC M.I.	05	MAT9560063	(4G16+(2x1.5)C)C	25.0 7.5
PUR M.I.	07	MAT9540063	(4G16+(2x1.5)C)C	24.0 7.5

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Nidec/Control Techniques Servo cables				
PB B E F B XXX				
PVC M.I.	05	MAT9560057	(4G16+(2x1.5)C)C	25.0 7.5
PUR M.I.	07	MAT9540057	(4G16+(2x1.5)C)C	24.0 7.5
PB B E G B XXX				
PVC M.I.	05	MAT9560069	(4G16+(2x1.5)C)C	25.0 7.5
PUR M.I.	07	MAT9540069	(4G16+(2x1.5)C)C	24.0 7.5
PB B G A B XXX				
PVC O.I.	04	MAT9750507	(4G1.5+(2x1.5)C)	12.5 10
PVC M.I.	05	MAT9560046	(4G1.5+(2x1.5)C)	13.0 7.5
PUR M.I.	07	MAT9540046	(4G1.5+(2x1.5)C)	13.0 7.5
PB B G B B XXX				
PVC O.I.	04	MAT9750515	(4G1.5+(2x1.5)C)	12.5 10
PVC M.I.	05	MAT9560058	(4G1.5+(2x1.5)C)	13.0 7.5
PUR M.I.	07	MAT9540058	(4G1.5+(2x1.5)C)	13.0 7.5
PB B G F B XXX				
PVC O.I.	04	MAT9750511	(4G1.5+(2x1.5)C)	12.5 10
PVC M.I.	05	MAT9560052	(4G1.5+(2x1.5)C)	13.0 7.5
PUR M.I.	07	MAT9540052	(4G1.5+(2x1.5)C)	13.0 7.5
PB B G G B XXX				
PVC O.I.	04	MAT9750519	(4G1.5+(2x1.5)C)	12.5 10
PVC M.I.	05	MAT9560064	(4G1.5+(2x1.5)C)	13.0 7.5
PUR M.I.	07	MAT9540064	(4G1.5+(2x1.5)C)	13.0 7.5
Nidec/Control Techniques Encoder cables				
Basic cable				
				
SS B A H C XXX				
PVC	08	MAT9560100	(4x(2x0.34)+4x0.5)C	9.5 10
PUR M.I.	10	MAT9840501	(4x(2x0.34)+4x0.5)C	10.0 7.5
TPE H*	11	MAT9540100	(4x(2x0.34)+4x0.5)C	10.0 6.8
SS B A H H XXX				
PVC	08	MAT9560101	(4x(2x0.34)+4x0.5)C	9.5 10
PUR M.I.	10	MAT9840502	(4x(2x0.34)+4x0.5)C	10.0 7.5
TPE H*	11	MAT9540101	(4x(2x0.34)+4x0.5)C	10.0 6.8
SS B A H N XXX				
PVC	08	MAT9560104	(3x(2x0.14)C+(4x0.14)+(2x0.5))C	9.0 10
PUR M.I.	10	MAT9840505	(3x(2x0.14)C+(4x0.14)+(2x0.5))C	10.0 7.5
TPE H*	11	MAT9540104	(3x(2x0.14)C+(4x0.14)+(2x0.5))C	10.0 6.8

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