

Assembled signal cables for dynamic application (PUR)

Basic cables for the use on REXROTH drive systems



table on
the following
side

Use

This assembled high-class signal cable was especially designed for applications with high end mechanical requests. The special PUR jacket is designed for several applications in industrial environments in the machinery industry and plant engineering.

Special features

Especially designed for the use with small bending radius and high accelerations. These assemblies could be manufactured in different length and also with customized modifications.

Advice

Please take note of the installation instructions for cables in cable chains on page DL 99.1 and the instructions of the motor and drive manufacturers regarding the maximum cable length.

Cable construction

Conductor:	blank copper
Conductor isolation:	Polyolefin / high quality PP
Total shield:	tinned copper braid
Coverage:	≥80%
Jacket material:	PUR
Jacket colour:	orange (for (2x0,5+4x2x0,25) also green available)

Construction

Colourcode (2x0,5+4x2x0,25)	wh, br, br+gn, rd+bl, blu+vio, gr+pi
(2x1,0+4x2x0,25)	wh, br, br+gn, rd+bl, blu+vio, gr+pi
(4x2x0,14+4x1,0+(4x0,14))	gr+pi, ye+vio, gn+br, rd+bl, blu, wh/gn, br/gn, wh, gn/bl, blu/bl, ye/bl, rd/bl

Technical specifications

Temperature range cable	
Static:	-40°C to +80°C
Dynamic:	0°C to +60°C
Bending radius	
Static:	8x outer diameter
Dynamic:	10x outer diameter
Maximum acceleration:	5 m/s ²
Bending cycle:	10 Mio. at ≥12x o.d.
Operating voltage:	300 VAC according to VDE 30 V according to UL/CSA
Test voltage:	1000 V (0,14 mm ² 500 V)
Isolation resistance:	≥100 MΩhm x km

Registrations/Approvals

UL/CSA



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Rexroth-description	SANGEL-description	SANGEL-part-number	connector side A service pack	cable	connector side B service pack
IKS4374	Feedback cable 4374	1-000000-03224	1-000000-03572 s.S. DR 1.2	0-000000-02863 s.S. DL 5.4	1-000000-03755 s.S. DD 1.1
IKS4042	Feedback cable 4042	1-000000-02565	1-000000-03572 s.S. DR 1.2	0-000000-02863 s.S. DL 5.4	1-000000-03755 s.S. DD 1.1
IKS4375	Feedback cable 4375	1-000000-03227	1-000000-04276 s.S. DR 1.1	0-000000-02863 s.S. DL 5.4	1-000000-03755 s.S. DD 1.1
IKS4040	Feedback cable 4040	1-000000-03527	1-000000-04061 s.S. DR 1.4	0-000000-02864 s.S. DL 5.4	1-000000-03765 s.S. DD 1.2
IKS4041	Feedback cable 4041	1-000000-03590	1-000000-03700 s.S. DR 1.2	0-000000-02864 s.S. DL 5.4	1-000000-03765 s.S. DD 1.1
IKS4020	Feedback cable 4020	1-000000-02010	1-000000-03703 s.S. DR 1.2	0-000000-03344 s.S. DL 5.4	1-000000-03761 s.S. DD 1.2
IKS4043	Feedback cable 4043	1-000000-03312	0-000000-04383 s.S. DS 2	0-000000-02863 s.S. DL 5.4	1-000000-03755 s.S. DD 1.1
IKS4103	Feedback cable 4103	1-000000-03230	0-000000-04383 s.S. DS 2	0-000000-02863 s.S. DL 5.4	1-000000-03755 s.S. DD 1.1
IKS0205	Feedback cable 0205	1-000000-03233	0-000000-04383 s.S. DS 2	0-000000-02863 s.S. DL 5.4	1-000000-03755 s.S. DD 1.1
IKS0204	Feedback cable 0204	1-000000-03234	0-000000-04383 s.S. DS 2	0-000000-02863 s.S. DL 5.4	1-000000-03706 s.S. DR 1.4
IKS0206	Feedback cable 0206	1-000000-03235	0-000000-04383 s.S. DS 2	0-000000-02863 s.S. DL 5.4	1-000000-04065 s.S. DR 1.2
IKS4142	Feedback cable 4142	1-000000-03318	1-000000-03703 s.S. DR 1.2	0-000000-03344 s.S. DL 5.4	1-000000-03756 s.S. DD 1.1
IKS4038	Feedback cable 4038	1-000000-03313	1-000000-03703 s.S. DR 1.2	0-000000-03344 s.S. DL 5.4	1-000000-03765 s.S. DD 1.1
IKS4001	Feedback cable 4001	1-000000-03443	1-000000-03703 s.S. DR 1.2	0-000000-03344 s.S. DL 5.4	1-000000-03765 s.S. DD 1.2
IKS4019	Feedback cable 4019	1-000000-04060	1-000000-03700 s.S. DR 1.2	0-000000-02863 s.S. DL 5.4	1-000000-03765 s.S. DD 1.2
RKG4200	Feedback cable 4200	1-000000-03426	1-000000-03635 s.S. DR 1.1	0-000000-02863 s.S. DL 5.4	1-000000-03755 s.S. DD 1.1