

Assembled motor cables for dynamic application

Basic cables for the use on SIEMENS drive systems



table on
the following
side

Use

This high-class assembled motor cable was especially designed for dynamic applications. The special PUR jacket is designed for several applications in industrial environments in the machinery industry and plant engineering.

Special features

These assemblies could be manufactured in different length and also with customized modifications.

Advice

These cables are especially designed for the use on Siemens drive systems and could also be ordered in the assembled version. Please take note of the installation instructions for cables in cable chains on page DL 99.1.

Cable construction

Power conductor

Conductor: blank copper wire according to IEC 60228 class 6
Conductor isolation: high quality PP
Conductor identification: U/L1/C/L+
V/L2
W/L3/D/L-

Protective earth: green/yellow

Signal conductors

Conductor: blank copper wire
Conductor isolation: high quality PP
Conductor identification: black
white
Stranding type: twisted pairs
Shield: tinned copper spiral

Total shield: tinned copper braid
Coverage: ≥80%

Jacket Material: PUR
Jacket colour: orange

Technical specifications

Temperature range

Static: -50°C to +80°C
Dynamic: -20°C to +60°C

Bending radius

Static: 7x outer diameter
Dynamic: 10x outer diameter

Maximum acceleration: 5 m/s²

Bending cycle: 10 Mio. at ≥12x o.d.

Nominal voltage: 600/1000 V (VDE)
1000 V (UL)

Test voltage power conductor: 4000 V

Test voltage signal conductor: 2000 V

Isolation resistance: ≥500 MΩhm x km

Registrations/Approvals

DESINA® (ISO 23570)

VDE

UL/CSA



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Siemens-description	SANGEL-description	SANGEL-part-number	connector side A service pack	cable	connector side B service pack
6FX8002-5CA01	5CA01 PUR DESINA	1-000000-03020	1-000000-03716 s.S. DR 2.1	0-000000-03707 s.S. DL 2.1	1-000000-03720 s.S. DS 1.1
6FX8002-5CA11	5CA11 PUR DESINA	1-000000-03066	1-000000-03650 s.S. DR 2.1	0-000000-03684 s.S. DL 2.1	1-000000-03721 s.S. DS 1.1
6FX8002-5CA21	5CA21 PUR DESINA	1-000000-03070	1-000000-03454 s.S. DR 5.1	0-000000-03707 s.S. DL 2.1	1-000000-03720 s.S. DS 1.1
6FX8002-5CA31	5CA31 PUR DESINA	1-000000-03074	1-000000-03454 s.S. DR 5.1	0-000000-03684 s.S. DL 2.1	1-000000-03721 s.S. DS 1.1
6FX8002-5CA41	5CA41 PUR DESINA	1-000000-03078	1-000000-03454 s.S. DR 5.1	0-000000-03808 s.S. DL 2.1	1-000000-03724 s.S. DS 1.1
6FX8002-5CA51	5CA51 PUR DESINA	1-000000-03082	1-000000-03454 s.S. DR 5.1	0-000000-03809 s.S. DL 2.1	1-000000-03725 s.S. DS 1.1
6FX8002-5CA61	5CA61 PUR DESINA	1-000000-03086	1-000000-03718 s.S. DR 5.1	0-000000-03810 s.S. DL 2.1	1-000000-03726 s.S. DS 1.1
6FX8002-5CA13	5CA13 PUR DESINA	1-000000-03098	1-000000-03672 s.S. DR 6.1	0-000000-03810 s.S. DL 2.1	1-000000-03726 s.S. DS 1.1
6FX8002-5CA23	5CA23 PUR DESINA	1-000000-03099	1-000000-03708 s.S. DR 6.1	0-000000-02907 s.S. DL 2.1	1-000000-03825 s.S. DS 1.1
6FX8002-5DA01	5DA01 PUR DESINA	1-000000-03106	1-000000-03650 s.S. DR 2.1	0-000000-03736 s.S. DL 2.1	1-000000-03727 s.S. DS 1.1
6FX8002-5DA11	5DA11 PUR DESINA	1-000000-03110	1-000000-03650 s.S. DR 2.1	0-000000-03805 s.S. DL 2.1	1-000000-03722 s.S. DS 1.1
6FX8002-5DA21	5DA21 PUR DESINA	1-000000-03114	1-000000-03454 s.S. DR 5.1	0-000000-03736 s.S. DL 2.1	1-000000-03727 s.S. DS 1.1
6FX8002-5DA31	5DA31 PUR DESINA	1-000000-03118	1-000000-03454 s.S. DR 5.1	0-000000-03805 s.S. DL 2.1	1-000000-03722 s.S. DS 1.1
6FX8002-5DA41	5DA41 PUR DESINA	1-000000-03122	1-000000-03454 s.S. DR 5.1	0-000000-03806 s.S. DL 2.1	1-000000-03723 s.S. DS 1.1
6FX8002-5DA51	5DA51 PUR DESINA	1-000000-03126	1-000000-03454 s.S. DR 5.1	0-000000-03724 s.S. DL 2.1	1-000000-03728 s.S. DS 1.1
6FX8002-5DA61	5DA61 PUR DESINA	1-000000-03130	1-000000-03718 s.S. DR 5.1	0-000000-03807 s.S. DL 2.1	1-000000-03729 s.S. DS 1.1
6FX8002-5DA13	5DA13 PUR DESINA	1-000000-03277	1-000000-03672 s.S. DR 6.1	0-000000-03807 s.S. DL 2.1	1-000000-03729 s.S. DS 1.1
6FX8002-5DA23	5DA23 PUR DESINA	1-000000-03278	1-000000-03708 s.S. DR 6.1	0-000000-04113 s.S. DL 2.1	1-000000-03826 s.S. DS 1.1
6FX8002-5DA33	5DA33 PUR DESINA	1-000000-03142	1-000000-03709 s.S. DR 6.1	0-000000-02914 s.S. DL 2.1	1-000000-03827 s.S. DS 1.1
6FX8002-5DA43	5DA43 PUR DESINA	1-000000-03144	1-000000-03710 s.S. DR 6.1	0-000000-02915 s.S. DL 2.1	1-000000-03828 s.S. DS 1.1
6FX8002-5DA53	5DA53 PUR DESINA	1-000000-03146	1-000000-03711 s.S. DR 6.1	0-000000-02916 s.S. DL 2.1	1-000000-03829 s.S. DS 1.1