

Assembled motor cables for dynamic application

Basic cables for the use on SIEMENS drive systems [DRIVE-CLiQ]



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 conductors

Conductor:	blank copper wire according to DIN VDE 0295 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 pair
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.

Operating voltage:

600/1000 V (VDE)
1000 V (UL)

Test voltage power conductors: 4000 V

Test voltage signal conductors: 2000 V

Isolation resistance: ≥500 MΩhm x km

Registrations/Approvals

DESINA® (ISO 23570)

VDE

UL/CSA



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Screw version

Siemens-description	SANGEL-description	SANGEL-part-number	connector side A service pack	cable	connector side B service pack
6FX8002-5CS01	5CS01 PUR DESINA	1-000000-03866	1-000000-03716 s.S. DR 2.1	0-000000-03707 s.S. DL 2.1	1-000000-03891 s.S. DS 1.2
6FX8002-5CS11	5CS11 PUR DESINA	1-000000-03867	1-000000-03650 s.S. DR 2.1	0-000000-03684 s.S. DL 2.1	1-000000-03892 s.S. DS 1.2
6FX8002-5CS21	5CS21 PUR DESINA	1-000000-03868	1-000000-03454 s.S. DR 5.1	0-000000-03707 s.S. DL 2.1	1-000000-03891 s.S. DS 1.2
6FX8002-5CS31	5CS31 PUR DESINA	1-000000-03869	1-000000-03454 s.S. DR 5.1	0-000000-03684 s.S. DL 2.1	1-000000-03892 s.S. DS 1.2
6FX8002-5CS41	5CS41 PUR DESINA	1-000000-03870	1-000000-03454 s.S. DR 5.1	0-000000-03808 s.S. DL 2.1	1-000000-03893 s.S. DS 1.2
6FX8002-5CS51	5CS51 PUR DESINA	1-000000-03871	1-000000-03454 s.S. DR 5.1	0-000000-03809 s.S. DL 2.1	1-000000-03894 s.S. DS 1.2
6FX8002-5CS61	5CS61 PUR DESINA	1-000000-03872	1-000000-03718 s.S. DR 5.1	0-000000-03810 s.S. DL 2.1	1-000000-03895 s.S. DS 1.2
6FX8002-5CS13	5CS13 PUR DESINA	1-000000-03890	1-000000-03672 s.S. DR 6.1	0-000000-03810 s.S. DL 2.1	1-000000-03895 s.S. DS 1.2
6FX8002-5DS01	5DS01 PUR DESINA	1-000000-03881	1-000000-03650 s.S. DR 2.1	0-000000-03736 s.S. DL 2.1	1-000000-03891 s.S. DS 1.2
6FX8002-5DS11	5DS11 PUR DESINA	1-000000-03882	1-000000-03650 s.S. DR 2.1	0-000000-03805 s.S. DL 2.1	1-000000-03892 s.S. DS 1.2
6FX8002-5DS21	5DS21 PUR DESINA	1-000000-03883	1-000000-03454 s.S. DR 5.1	0-000000-03736 s.S. DL 2.1	1-000000-03891 s.S. DS 1.2
6FX8002-5DS31	5DS31 PUR DESINA	1-000000-03884	1-000000-03454 s.S. DR 5.1	0-000000-03805 s.S. DL 2.1	1-000000-03892 s.S. DS 1.2
6FX8002-5DS41	5DS41 PUR DESINA	1-000000-03885	1-000000-03454 s.S. DR 5.1	0-000000-03806 s.S. DL 2.1	1-000000-03893 s.S. DS 1.2
6FX8002-5DS51	5DS51 PUR DESINA	1-000000-03886	1-000000-03454 s.S. DR 5.1	0-000000-03724 s.S. DL 2.1	1-000000-03894 s.S. DS 1.2
6FX8002-5DS61	5DS61 PUR DESINA	1-000000-03887	1-000000-03718 s.S. DR 5.1	0-000000-03807 s.S. DL 2.1	1-000000-03895 s.S. DS 1.2
6FX8002-5DS13	5DS13 PUR DESINA	1-000000-03888	1-000000-03672 s.S. DR 6.1	0-000000-03807 s.S. DL 2.1	1-000000-03895 s.S. DS 1.2

Crimp version

6 FX 8002 - 5CS01	5CS01 PUR DESINA CRIMP	1-000000-04830	1-000000-03716 s.S. DR 2.1	0-000000-03707 s.S. DL 2.1	
6 FX 8002 - 5CS11	5CS11 PUR DESINA CRIMP	1-000000-04831	1-000000-03454 s.S. DR 5.1	0-000000-03808 s.S. DL 2.1	
6 FX 8002 - 5CS21	5CS21 PUR DESINA CRIMP	1-000000-04832	1-000000-03650 s.S. DR 2.1	0-000000-03684 s.S. DL 2.1	
6 FX 8002 - 5CS31	5CS31 PUR DESINA CRIMP	1-000000-04833	1-000000-03454 s.S. DR 5.1	0-000000-03809 s.S. DL 2.1	
6 FX 8002 - 5CS41	5CS41 PUR DESINA CRIMP	1-000000-04834	1-000000-03650 s.S. DR 2.1	0-000000-03736 s.S. DL 2.1	
6 FX 8002 - 5CS51	5CS51 PUR DESINA CRIMP	1-000000-04835	1-000000-03454 s.S. DR 5.1	0-000000-03736 s.S. DL 2.1	
6 FX 8002 - 5CS61	5CS61 PUR DESINA CRIMP	1-000000-04836	1-000000-03454 s.S. DR 5.1	0-000000-03724 s.S. DL 2.1	
6 FX 8002 - 5CS13	5CS13 PUR DESINA CRIMP	1-000000-04837	1-000000-03454 s.S. DR 5.1	0-000000-03806 s.S. DL 2.1	
6 FX 8002 - 5DS01	5DS01 PUR DESINA CRIMP	1-000000-04838	1-000000-03454 s.S. DR 5.1	0-000000-03707 s.S. DL 2.1	
6 FX 8002 - 5DS11	5DS11 PUR DESINA CRIMP	1-000000-04839	1-000000-03718 s.S. DR 5.1	0-000000-03810 s.S. DL 2.1	
6 FX 8002 - 5DS21	5DS21 PUR DESINA CRIMP	1-000000-04840	1-000000-03454 s.S. DR 5.1	0-000000-03684 s.S. DL 2.1	
6 FX 8002 - 5DS31	5DS31 PUR DESINA CRIMP	1-000000-04841	1-000000-03672 s.S. DR 6.1	0-000000-03810 s.S. DL 2.1	
6 FX 8002 - 5DS41	5DS41 PUR DESINA CRIMP	1-000000-04842	1-000000-03650 s.S. DR 2.1	0-000000-03805 s.S. DL 2.1	
6 FX 8002 - 5DS51	5DS51 PUR DESINA CRIMP	1-000000-04843	1-000000-03454 s.S. DR 5.1	0-000000-03805 s.S. DL 2.1	
6 FX 8002 - 5DS61	5DS61 PUR DESINA CRIMP	1-000000-04844	1-000000-03672 s.S. DR 6.1	0-000000-03807 s.S. DL 2.1	
6 FX 8002 - 5DS13	5DS13 PUR DESINA CRIMP	1-000000-04845	1-000000-03718 s.S. DR 5.1	0-000000-03807 s.S. DL 2.1	