

# Assembled signal cables for dynamic application

Basic cables for the use on SIEMENS drive systems



table on  
the following  
side

## Use

This high-class assembled signal 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

Conductor:	tinned copper wire
Conductor isolation:	high quality PP
Total shield:	tinned copper braid
Coverage:	≥80%
Jacket material:	PUR
Jacket colour:	green

## Construction

Colourcode	black, brown, red, orange
(2x2x0,18)	bl+br, rd+or, ye+gn, blu+vio
(4x2x0,18)	bl+br, rd+or, ye+gn, blu+vio,
(8x2x0,18)	gr+wh, wh/bl+wh/br,
	wh/rd+wh/or, wh/ye+wh/gn
(12x0,22)	bl, br, rd, or, ye, gn, blu, vio, gr,
	wh, wh/bl, wh/br
(4x2x0,34+4x0,5)	rd+or, ye+gn, blu+vio, bl+br,
	wh/rd, wh/ye, wh/blu, wh/bl
(3x(2x0,14)+2x(0,5))	rd+or, ye+gn, bl+br, bl, rd
(3x(2x0,14)+2x0,5+4x0,14)	rd+or, ye+gn, bl+br, br/rd,
	br/blu, gr, blu, wh/ye, wh/bl
(3x(2x0,14)+2x0,5+4x0,14+4x0,22)	rd+or, ye+gn, bl+br, br/rd,
	br/blu, gr, blu, wh/ye, wh/bl,
	br/ye, br/gr, gn/bl, gn/rd

## Technical specifications

Temperature range	
Static:	-50°C to +80°C
Dynamic:	-20°C to +60°C
Bending radius	
Static:	7x outer diameter
Dynamic:	11x outer diameter
Maximum acceleration: 5 m/s <sup>2</sup>	
Bending cycle:	10 Mio. at ≥12x o.d.
Operating voltage:	30 V
Test voltage:	500 V
Isolation resistance:	≥10 MΩm x km

## Registrations/Approvals

DESINA® (ISO 23570)  
UL/CSA



## Assembled signal cables for dynamic application

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Siemens-description	SANGEL-description	SANGEL-part-number	connector side A service pack	cable	connector side B service pack
6FX8002-2AD00	2AD00 PUR DESINA	1-000000-03001	1-000000-03765 s.S. DD 1.2	0-000000-02922 s.S. DL 5.1	1-000000-03637 s.S. DR 1.1
6FX8002-2AH00	2AH00 PUR DESINA	1-000000-03410	Offen	0-000000-02920 s.S. DL 5.1	1-000000-03636 s.S. DR 1.1
6FX8002-2CA11	2CA11 PUR DESINA	1-000000-03005	1-000000-03765 s.S. DD 1.2	0-000000-02920 s.S. DL 5.1	1-000000-03636 s.S. DR 1.1
6FX8002-2CA15	2CA15 PUR DESINA	1-000000-03009	1-000000-03765 s.S. DD 1.2	0-000000-02922 s.S. DL 5.1	1-000000-03637 s.S. DR 1.1
6FX8002-2CA31	2CA31 PUR DESINA	1-000000-03013	1-000000-03766 s.S. DD 1.2	0-000000-02923 s.S. DL 5.1	1-000000-03637 s.S. DR 1.1
6FX8002-2CA51	2CA51 PUR DESINA	1-000000-03018	1-000000-03805 s.S. DD 1.1	0-000000-02922 s.S. DL 5.1	1-000000-03637 s.S. DR 1.1
6FX8002-2CA61	2CA61 PUR DESINA	1-000000-03022	1-000000-03805 s.S. DD 1.1	0-000000-02922 s.S. DL 5.1	1-000000-03637 s.S. DR 1.1
6FX8002-2CA72	2CA72 PUR DESINA	1-000000-03024	1-000000-03806 s.S. DD 1.1	0-000000-02920 s.S. DL 5.1	1-000000-03636 s.S. DR 1.1
6FX8002-2CB31	2CB31 PUR DESINA	1-000000-03026	1-000000-03805 s.S. DD 1.2	0-000000-02921 s.S. DL 5.1	1-000000-03636 s.S. DR 1.1
6FX8002-2CB51	2CB51 PUR DESINA	1-000000-03030	1-000000-03805 s.S. DD 1.1	0-000000-02920 s.S. DL 5.1	1-000000-03636 s.S. DR 1.1
6FX8002-2CC11	2CC11 PUR DESINA	1-000000-03032	1-000000-03755 s.S. DD 1.1	0-000000-02920 s.S. DL 5.1	1-000000-03636 s.S. DR 1.1
6FX8002-2CD01	2CD01 PUR DESINA	1-000000-03036	1-000000-03755 s.S. DD 1.1	0-000000-02920 s.S. DL 5.1	1-000000-03636 s.S. DR 1.1
6FX8002-2CF02	2CF02 PUR DESINA	1-000000-03038	1-000000-03766 s.S. DD 1.2	0-000000-02922 s.S. DL 5.1	1-000000-03636 s.S. DR 1.1
6FX8002-2CG00	2CG00 PUR DESINA	1-000000-03042	1-000000-03766 s.S. DD 1.2	0-000000-02920 s.S. DL 5.1	1-000000-03636 s.S. DR 1.1
6FX8002-2CH00	2CH00 PUR DESINA	1-000000-03044	1-000000-03766 s.S. DD 1.2	0-000000-02922 s.S. DL 5.1	1-000000-03637 s.S. DR 1.1
6FX8002-2EQ10	2EQ10 PUR DESINA	1-000000-03046	1-000000-03766 s.S. DD 1.2	0-000000-02923 s.S. DL 5.1	1-000000-03637 s.S. DR 1.1
6FX8002-2CA21	2CA21 PUR DESINA	1-000000-03050	1-000000-03806 s.S. DD 1.1	0-000000-02918 s.S. DL 5.1	1-000000-03807 s.S. DR 1.3
6FX8002-2CE02	2CE02 PUR DESINA	1-000000-03058	1-000000-03765 s.S. DD 1.2	0-000000-02920 s.S. DL 5.1	1-000000-03808 s.S. DS 1.1
6FX8002-2CM00	2CM00 PUR DESINA	1-000000-03061	1-000000-03805 s.S. DD 1.1	0-000000-02922 s.S. DL 5.1	1-000000-03641 s.S. DR 1.1
6FX8002-2CE07	2CE07 PUR DESINA	1-000000-03060	1-000000-03765 s.S. DD 1.2	0-000000-02920 s.S. DL 5.1	1-000000-03636 s.S. DR 1.1