

readycable® signal cable suitable for Siemens

6FX8002-2DC40, extension cable PVC 15xd

MAT9741519



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- For flexing applications
- PVC outer jacket
- Not oil-resistant
- Silicone-free
- Flame retardant
- Overall shield
- Guarantee up to 4 years

Product description

Introducing the readycable® signal cable, designed specifically for Siemens 6FX8002-2DC40. This PVC extension cable is perfect for flexing applications and is ideal for indoor use, making it suitable for wood and stone processing, packaging, and handling devices. Its flame-retardant properties ensure safety, while the overall shield provides added durability. Although not oil-resistant, this cable excels in unsupported travels up to 10m, making it a reliable choice for your operational needs.

Manufacturer attributes

Manufacturer Part No	6FX8002-2DC40
Cable type	Extension cable

Connectors

Connector A	connector, RJ45 Y-CONKIT-COV-20-TC-PL21
Connector B	M17 round connector, socket, 10-pin

General properties

Number of cores and conductor nominal cross-section	(2x(2x0.15)+(2x0.38))C
Outer diameter (d) max. mm	7.5 mm
Weight per km	58 kg/km
Copper index kg/km	41 kg/km

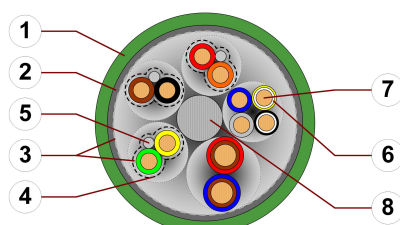


Electricity attributes

	Nominal voltage	50V
	UL Voltage Rating	30 V
	Test voltage	500V

Cable structure

	Conductor	Conductor consisting of bare copper wires (according to DIN EN 60228)
	Core insulation	Mechanically high-quality TPE mixture.
	Core stranding	According to measuring system specification
	Conductor colours	according to measuring system specification
	Core group 1 core structure	2x(2x0.15)
	Core group 1 colour code	green/yellow, pink/blue
	Core group 2 core structure	2x0.38
	Element shield	Foil taping of optimised, flexible foil shield. Cover approx. 100% optical
	Overall shield	Braiding made of tinned copper wires. Cover approx. 60% optical.
	Outer jacket	Low-adhesion PVC mixture, adapted to suit the requirements in e-chains® (according to DIN EN 50363-4-1).
	Outer jacket colour	Yellow-green (comparable to RAL 6018)



1. Outer jacket: pressure-extruded PVC mixture
2. Overall shield: braiding made of tinned copper wires
3. Shield film: aluminium-coated plastic foil
4. Banding: plastic foil
5. Drain wire: stranded wire conductor made of tinned copper wires
6. Core insulation: mechanically high-quality TPE mixture
7. Conductor: strands consisting of bare copper wires
8. Strain relief: plastic core element



Properties and approvals

	UV resistance	none
	Oil resistance	No oil resistance
	Flame-retardant	According to IEC 60332-1-2, Cable Flame, VW-1, FT1, FT2/Horizontal Flame
	Silicone-free	Free from silicone which can affect paint adhesion (according to PV 3.10.7 – status 1992)
	UL verified	Certificate no. V293650: "The igus 4-year chainflex cable guarantee and service life calculator based on 2 billion test cycles per year"
	UL/CSA AWM	Style 1589 and 2560, 30 V, 60 °C
	NFPA	According to NFPA 79-2018, chapter 12.9
	REACH	In accordance with Regulation (EC) No. 1907/2006 (REACH)
	Lead-free	According to 2011/65/EU (RoHS-II/RoHS-III)
	CE	According to 2014/35/EU



Dynamic properties

	Min. bend radius, e-chain (factor)	15 x d
	Min. bend radius, e-chain	112.5 mm
	Min. bend radius, flexible (factor)	12 x d
	Min. bend radius, fixed (factor)	8 x d
	Temperature e-chain®	+5°C up to +70°C
	Temperature, flexible	-5°C to +70°C (according to DIN EN 60811-504)
	Temperature, fixed	-15°C to +70°C (according to DIN EN 50305)
	v max. unsupported (speed)	3 m/s
	v max. gliding (speed)	0 m/s
	a max. (acceleration)	20 m/s ²
	travel length	Class 1
	torsion	No torsion



chainflex®Lifetime

Guaranteed service life for this series according to guarantee conditions

Further information: [chainflex® guarantee](#)

Double strokes*	1 million	3 million	5 million
Temperature,	R min.	R min.	R min.
from/to [°C]	[Factor x d]	[Factor x d]	[Factor x d]
+5 / +15	17.5	18.5	19.5
+15 / +60	15	16	17
+60 / +70	17.5	18.5	19.5

* Higher number of double strokes possible - use the service life calculation function on this page.

Certificates and standards

