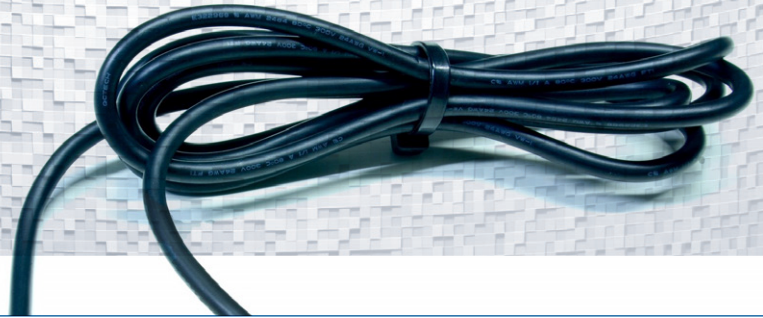


Standard cables specifications



Standard specifications

The IP classification covers the actuator including cable. Connector (if mounted) or open ends is not a part of the IP classification unless otherwise is specified.

Actuator operation temperature con/icon35+50: - 20 °C to + 70 °C - Storage: - 40 °C to + 70 °C.
 con/icon60: - 20 °C to + 50 °C - Storage: - 40 °C to + 70 °C.

For medical applications (IEC60601-1, ANSI/AAMI/ES60601-1, CAN/CSA-C22.2 No60601-1): Operating temperature + 5 °C to + 48 °C, relative humidity 20 % - 70 % atmospheric pressure = 1 atm. Connect to medically approved supply source only and according to guidelines provided with the source.

Standard configurations

Standard cables (incl. medical)

	con25/35 without hall	con25/35 with hall	con50/60 without hall	con50/60 with hall
Cable diameter	Ø4,70mm +/-0,1mm	Ø4,85mm +/-0,1mm	Ø6,35mm +/-0,2mm	Ø6,35mm +/-0,2mm
Cable specification	2xAWG20	2xAWG20 + 4xAWG26	2xAWG16	2xAWG16 + 4xAWG26
Bending radius (fixed)	6 x cable diameter	6 x cable diameter	6 x cable diameter	6 x cable diameter
Type	UL AWM style 20279	UL AWM style 20279	UL AWM style 20279	UL AWM style 20279
Material	TPU	TPU	TPU	TPU

Shielded cables

	con25/35 without hall	con25/35 with hall	con50/60 without hall	con50/60 with hall
Cable diameter	Ø4,70mm +/-0,1mm	Ø4,70mm +/-0,1mm	Ø6,80mm +/-0,2mm	Ø6,80mm +/-0,2mm
Cable specification	2xAWG22 + 4xAWG26	2xAWG22 + 4xAWG26	2xAWG16 + 4xAWG26	2xAWG16 + 4xAWG26
Bending radius (fixed)	10 x cable diameter	10 x cable diameter	10 x cable diameter	10 x cable diameter
Type	UL AWM style 2095	UL AWM style 2095	UL AWM style 2464	UL AWM style 2464
Material	PVC	PVC	PVC	PVC

HE-cables (not icon)

	con35 without hall	con35 with hall	con50/60 without hall	con50/60 with hall
Cable diameter	Ø4,70mm +/-0,1mm	Ø4,70mm +/-0,1mm	Ø6,60mm +/-0,15mm	Ø6,60mm +/-0,15mm
Cable specification	2xAWG22 + 4xAWG26	2xAWG22 + 4xAWG26	2xAWG18 + 4xAWG26	2xAWG18 + 4xAWG26
Bending radius (fixed)	10 x cable diameter	10 x cable diameter	10 x cable diameter	10 x cable diameter
Type				
Material	TPE Santoprene	TPE Santoprene	TPE Santoprene	TPE Santoprene

Standard configurations

Standard icon cables		
	icon35	icon50/60
Cable diameter	Ø4,8mm +/-0,15mm	Ø6,80mm +/-0,20mm
Cable specification	2xAWG22 + 6xAWG28	2xAWG16 + 6xAWG26
Bending radius (fixed)	15 x cable diameter	15 x cable diameter
Type	UL AWM style 2095	UL AWM style 2095
Material	PVC	PVC

HE-cables (icon)		
	icon35	icon50/60
Cable diameter	Ø4,8mm +/-0,20mm	Ø6,80mm +/-0,20mm
Cable specification	2xAWG22 + 6xAWG28	2xAWG16 + 6xAWG26
Bending radius (fixed)	15 x cable diameter	15 x cable diameter
Type		
Material	TPE Santoprene	TPE Santoprene

Options

Available options	con25	con35	con50	con60	icon35	icon50	icon60
Shielded cable	✓	✓	✓	✓	✗	✗	✗
Shielded cable for HE-version	●	✗	✗	✗	✗	✗	✗
Shielded cable with ES60.601-1	!	✗	✗	✗	✗	✗	✗
HE-version cable	●	✓	✓	✓	✓	✓	✓
Medical approval ES60601-1	!	✓	✓	✓	!	!	!

Definition signs:

✓ = Available ✗ = Not Available ! = Pending
 ● = Customisation option only - please contact: sales@concents.com

Recommendations and warnings

- Cable length for icon with 12 VDC motor is limited to 5 m, 24 VDC motor is limited to 9 m.
- Longer cable lengths may cause a voltage drop which affects the performance of the actuator.

On request

- Other cables and connectors on request
- Contact Concens for any special requirements

Disclaimer

- Concens products are continuously developed, built and tested for highest requirements and reliability but it is always the responsibility of the customer to validate and test the suitability of our products in a given application and environment. Concens products must not be used in safety critical applications.
- We do our utmost to provide accurate and up-to-date information at all times. In spite of that, Concens cannot be held responsible for any errors in the documentation. Specifications are subject to change without prior notice.

For more information, please visit our website at www.concents.com

