



DATA SHEET	0036156
ÖLFLEX[®] SERVO 700 CY	valid from : 12.12.2005

Application

ÖLFLEX-SERVO[®] 700 CY cables are PVC cables preferred for connecting servo motors, for medium mechanical abuse. They are for use in dry, damp and wet rooms, but not outside. At room temperature it is generally resistant against acids, caustics solution and certain oils.

Continuous movements, usage of these cables in moving cable carriers, respectively on motor drum guidance or under a strain of more than 15 N/mm² is not allowed.

The core pairs are provided for signalling and controlling purposes, like for example thermocouple and/or brake. In order to avoid any interference of the signals the pairs are screened in a double way, i.e. by means of an aluminium clad foil and a Cu-wire wrapping.

The outside screen is a whole protection against electrical interference.

Technical data:

Conductor:	bare copper, fine wire strand in accordance to IEC 60 228 that is VDE 0295, class 5
Design:	in support to HD 21.5 S3 that is VDE 0281-5
Core insulation:	PVC compound TI2 in acc. to VDE 0207 part 4
Identification:	in acc. to HD 186 resp. VDE 0293, black cores with white numbers with green/yellow ground conductor control pair with 0,34 mm ² : wh/bn and gn/ye
Wrapping:	Plastic foil
Screen:	braid of tinned copper, coverage = 85% (nominal value)
Outer sheath:	PVC-compound TM2 in acc. to VDE 0207 part 5
Nominal voltage:	supply cores: 600/1000 V
Working voltage:	control pair: 250 V AC
Test voltage:	supply cores: 4000 V AC control pair: 750 V AC
Temp. range:	fixed installation -30 to +80° C max. conductor temperature
Min. bending radius	6 x cable diameter for fixed installation
Flame retardant:	in acc. to IEC 60 332.1
Tests:	in acc. to VDE 0472 and IEC 60 811-x.x that is VDE 0473
EC directive:	This cable confirms to ECD 73/23/EEC (low voltage directive).

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