LAPP GROUP	**DATA SHEET**	0036360
	ÖLFLEX-SERVO-FD® 755 CP	valid from : 01.02.1997

Application

ÖLFLEX-SERVO-FD® 755 CP cables are high flexible oil resistant supply cables for servo motors special for use in power chains, automatic manipulators and in permanently moved machine parts. They are for use in dry, damp, wet rooms and outside. Usage on motor drum guidance or under a strain of more than 15 N/mm² is not allowed. ÖLFLEX-SERVO-FD® 755 CP cables are increased oil resistant and at room temperature generally resistant against acids and caustics solutions. The outer sheath of Polyurethane is resistant against high mechanical abuse, particularly to abrasion cuts, microbe-proof and hydrolysis resistant. The core pairs are provided for signaling 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-braiding with supplementary drain wire. Cables with two pairs are each separate sheathed. The outside screen is a whole protection against electrical interference. The used materials are halogen free.

Technical data

Conductor	bare copper, superfine wire strand in accordance to IEC 228 that is VDE 0295, class 6, that is for the control pair class 5	
Design	in support to HD 21.5 S3 that is VDE 0281-5	
Core insulation	TPE (Thermoplastic Elastomer)	
Identification	in acc. to HD 186 resp. VDE 0293, black cores with white numbers with green/yellow ground conductor	
Screen	braid of tinned copper about wrapping, coverage = 85 % (nominal value)	
Outer sheath	Polyurethane compound TMPU in acc. to HD 22.10 S1 that is VDE 0282-10, additional halogen free and flame retardant	
Nominal voltage	supply cores:	600/1000 V
Working voltage	control pair:	250 V AC
Test voltage	supply cores: control pair:	4000 V AC 750 V AC
Temp. range	for flexible use -30 up to +80° C max. conductor temperature	
Min. bending radius	flex. use 7,5 x cable diameter	
Flame retardant	in acc. to IEC 60 332.1 resp. VDE 0482 part 265-2-1	
Oil resistance	in acc. to VDE 0472 part 803 test method b	
Tests	in acc. to VDE 0472 and IEC 811-x.x that is VDE 0473	
EC directive	This cable confirms to ECD 73/23/EEC (low voltage directive).	