Rationalisation by standardisation and decentralisation

With **DESINA**® (**DE**centralised and **S**tandardised **IN**st**A**llation Technology); the Verein Deutscher Werkzeugmaschinenfabriken e.V. (Federation of German Machine Tool Manufacturers) has developed a comprehensive overall concept for standardising the electrical installation of plant and machinery. Using the latest technologies, installation becomes simpler, assembly and maintenance are speeded up and the quality improved. Decentralisation means that control components and their functions can be removed from the central switchgear cabinet and transferred to field level.

Lapp Kabel and DESINA® conform products

On the basis of existing field BUS systems, the VDW – in cooperation with the machine tool, automotive and component supply industries – has developed new standards in the area of connectors and for more rational cabling. As a leading supplier to the machine tool industry, Lapp Kabel declares its wholehearted support for the **DESINA**® concept. We develop **DESINA**® conform solutions for you with a minimum of delay: from the components to the ready-to-install, custom-built solution.

Application criteria	Cable and Lead Designation																																				
	Outer sheath colour	ÖLFLEX® SERVO 709 CY	ÖLFLEX® SERVO FD 755 CP	ÖLFLEX® SERVO FD 785 CP	ÖLFLEX® SERVO FD 790 CP	ÖLFLEX® SERVO FD 770 CP 4 x 2 x 0.25 mm²	ÖLFLEX® SERVO FD 770 CP	ÖLFLEX® CLASSIC 400 P	ÖLFLEX® 140	ÖLFLEX® 491 P	ÖLFLEX® 440 P	ÖLFLEX® 150	ÖLFLEX® 191	ÖLFLEX® 100 H	ÖLFLEX® 110 H	ÖLFLEX® SERVO FD 781 CY	ÖLFLEX® SERVO FD 785 CP	ÖLFLEX® CLASSIC FD 810 P	ÖLFLEX® FD 855 P	ÖLFLEX® FD 90	ÖLFLEX® FD 90 CY	ÖLFLEX® CHAIN 879/879 CY	ÖLFLEX® FD 891/891 CY	ÖLFLEX® FD 891 P	UNITRONIC® FD P	HITRONIC® HYBRID FD P **DESINA**®	UNITRONIC® SENSOR P **DESINA**®	ÖLFLEX® Tray II	ÖLFLEX® SERVO FD 795 P	ÖLFLEX® SERVO FD 795 CP	ÖLFLEX® STATIC CY **DESINA**®	ÖLFLEX® STATIC CP **DESINA**®	SERVO-cable acc. to INDRAMAT-Standard	SERVO-cable acc. to LENZE-Standard	SERVO-cable acc. to FANUC-Standard	SERVO-cable acc. to SIEMENS-Standard 6FX 7	SERVO-cable acc. to SIEMENS-Standard 6FX 5	SERVO-cable acc. to SIEMENS-Standard 6FX 8	SERVO-cable acc. to SEW-Standard
Servo cable, screened: Outer sheath colour: orange RAL 2003		●	●	●	●											●	●				●									●	●	●	●	●		●	●	●	●
Cable for measuring systems, screened: Outer sheath colour: green RAL 6018						●	●																										●	●		●	●	
Power cable, unscreened: Outer sheath colour: black RAL 9005								○		○									●		●	●	●					●	●									
24 Volt control cable, unscreened: Outer sheath colour grey RAL 7040 (similar to 7001)								○	●	○	●	●	●	●	●			●	●						●												
Field bus hybrid cable, copper and fibre optic Outer sheath colour: violet RAL 4001																										●											
Sensor-/actuator cable, unscreened: Outer sheath colour: yellow RAL 1021																											●										
DESINA®-printing on sheath		●	●	●	●	●	●	●													●				●	●		●	●								
Use in power chains			●	●	●	●	●									●	●	●	●	●	●	●	●	●	●				●	●			●	●	●	●	●	
Sheath compound material of improved oil resistance		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
UL and/or CSA approvals		●			●					●		●	●							●	●	●	●	●				●	●	●			●	●	●	●	●

Need a **DESINA**® conform cable?
Call us under: Phone ++49-(0)7 11/78 38-49 90, Fax ++49-(0)7 11/78 38-49 00
We can supply you with **DESINA**® conform cables ready-to-install, custom-made, on request!
Ask us: our experts can help you with advice and practical assistance:
Phone: ++49-(0)7 11/78 38-93 20, Fax: ++49-(0)7 11/78 38-48 70
For informations on **DESINA**® conform connectors, call CONTACT,
Phone: ++49-(0)7 11/78 38-60 00, Fax: ++49-(0)7 11/78 38-36 60
* **DESINA**® = registered trademark of the VDW