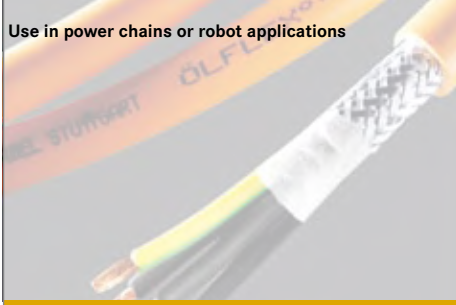


A2 Selection Table

A2: Highly Flexible FD Cables - for use in power chains or robot applications

Application Criteria	Cable and Lead Designation																										
 <p>Use in power chains or robot applications</p>	ÖLFLEX® SERVO FD 750 P	ÖLFLEX® SERVO FD 755 P	ÖLFLEX® SERVO FD 755 CP	ÖLFLEX® SERVO FD 760 CP	ÖLFLEX® SERVO FD 770 CP	ÖLFLEX® SERVO FD 781 CY	ÖLFLEX® SERVO FD 781 P	ÖLFLEX® SERVO FD 781 CP	ÖLFLEX® SERVO FD 785 P	ÖLFLEX® SERVO FD 785 CP	ÖLFLEX® SERVO FD 790 CP	ÖLFLEX® SERVO FD 795 P	ÖLFLEX® SERVO FD 795 CP	SERVO-cable acc. SIEMENS Standard 6FX 5008-	SERVO-cable acc. SIEMENS Standard 6FX 7008-	SERVO-cable acc. SIEMENS Standard 6FX 8008- green or orange	SERVO-cable acc. SIEMENS Standard 6FX 8PLUS- green or orange	SERVO-cable. acc. Indramat Standard INK	ÖLFLEX® FD CLASSIC 810	ÖLFLEX® FD CLASSIC 810 CY	ÖLFLEX® FD CLASSIC 810 P	ÖLFLEX® FD CLASSIC 810 CP	ÖLFLEX® FD 820 H	ÖLFLEX® FD 820 CH	ÖLFLEX® FD ROBUST	ÖLFLEX® FD ROBUST C	
	<p>Application</p> <p>For industrial machinery to EN 60204. part 1/VDE 0113</p> <p>For frequency-converter driven servo drives</p> <p>For servo motor, low capacitance</p> <p>For encoders, feedback systems, sensors</p> <p>For free arm robots/torsion load</p> <p>Restricted guidance over rollers, motor drums</p> <p>For indoor application</p> <p>For outdoor application</p> <p>For field bus systems</p> <p>For video transmission, RGB signal transmission</p> <p>For North America with UL + CSA approvals</p> <p>For use in oily environments, enhanced oil resistance</p> <p>For use in areas with bio oils</p>																										
<p>Temperature</p> <p>+105 °C</p> <p>+90 °C</p> <p>+80 °C</p> <p>+70 °C</p> <p>+60 °C</p> <p>+5 °C</p> <p>-5 °C</p> <p>-10 °C</p> <p>-20 °C</p> <p>-30 °C</p> <p>-40 °C</p> <p>-50 °C</p>																											
<p>Minimum bending radius factor for continuous flexing</p> <p>5 x D</p> <p>6.5 x D</p> <p>7.5 x D</p> <p>10 x D</p> <p>12.5 x D</p> <p>15 x D</p> <p>20 x D</p>																											
<p>Laying</p> <p>For chains with small radii</p> <p>For chains with restricted space</p> <p>For low cable weight in the chain</p> <p>For 24-hour operation at high numbers of cycles</p> <p>For high acceleration values > 10 m/s²</p> <p>For very high acceleration up to 50 m/s²</p> <p>For travel speeds up to 5 m/s, up to 10 m travel length</p> <p>For travel speeds up to 10 m/s, up to 10 m travel length</p> <p>For travel speeds up to 5 m/s, up to 100 m travel length</p>																											
<p>Movement parameters</p> <p>350 Vss</p> <p>30/300 V AC</p> <p>300/500 V AC</p> <p>600/1000 V AC</p> <p>600 V acc. to UL/CSA</p>																											
<p>Make-up</p> <p>Fine wire VDE class 5, copper stranded conductor</p> <p>Superfine wire VDE class 6, copper stranded conductor</p> <p>Ultra fine wire VDE class 6, copper stranded conductor</p> <p>PVC/special PVC, core insulation</p> <p>Elastomer core insulation</p> <p>PE/cellular PE/cellular PE foam skin</p> <p>Polyethylene/Polypropylene</p> <p>TPE core insulation</p> <p>Special TPE (P4/11) core insulation</p> <p>Halogen free compound</p> <p>Number printing</p> <p>VDE colour code</p> <p>DIN 47100 colour code/special colour code</p> <p>Pair screening PiCY/PiMF/STP</p> <p>Total screening</p> <p>Special PVC sheath</p> <p>PUR sheath, wear resistant, cutting resistant</p> <p>Rubber sheath</p> <p>TPE (P4/11) sheath bio oil resistant</p> <p>Halogen free compound</p>																											

- = Principal application
- = Application not customary, but possible, or alternative design available in the range
- = Temperature range for flexible laying
- ▣ = Temperature range for static and flexible laying
- = Temperature range for static laying

