
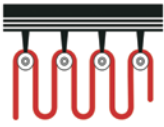
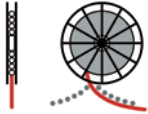


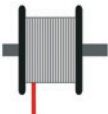


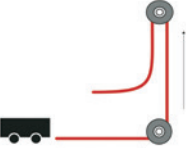

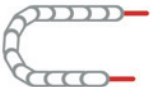


Usage criteria		Cable designation													
		ÖLFLEX® CRANE	ÖLFLEX® LIFT F*	ÖLFLEX® CRANE F	ÖLFLEX® CRANE CF	ÖLFLEX® LIFT	ÖLFLEX® LIFT T	ÖLFLEX® LIFT S	ÖLFLEX® CRANE 2S	ÖLFLEX® CRANE NSHTÖU**	ÖLFLEX® CRANE VS (N)SHÖU	ÖLFLEX® CRANE PUR	ÖLFLEX® CLASSIC FD 810 P	UNITRONIC® FD CP plus/(TP) plus	UNITRONIC® BUS PB FESTOON
<b>Use</b>															
For cable trailer guide systems		See separate selection table "Applications" A3-2													
Fixing via rollers, drum motors		See separate selection table "Applications" A3-2													
Reeling/re-routing under tensile load		See separate selection table "Applications" A3-2													
For free-hanging use in lifting/conveying systems		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓			
For free-hanging use with additional load		✓							✓		✓	✓			
For outdoor use		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	
For short travel distances, inside		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓	
For short travel distances, outside		✓		✓	✓	✓	✓	✓		✓	✓	✓		✓	
For use in power chains		See separate selection table "FD" A3-2													
<b>Standards</b>															
In accordance with VDE/HAR/DIN		✓	✓	✓	✓			✓	✓		✓	✓		✓	
With VDE approval										✓					
With VDE registration															
Flame-retardant acc. to IEC 60332-1-2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<b>Temperature range</b>															
+90 °C				□	□										
+80 °C		□								□	□	□	▲	□	□
+70 °C			□			□	□	□					●	●	
+60 °C															
+5 °C															
0 °C			●												
-5 °C													●	●	
-10 °C															
-15 °C			●			●	●	●	●						
-20 °C															
-25 °C		●		●	●					●	●				
-30 °C															
-40 °C		▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	□	□	□
<b>Bending radius</b>															
7.5 x D										✓	✓	✓	✓	✓	
10 x D			✓	✓	✓									✓	
12.5 x D		✓													
20 x D						✓	✓	✓	✓						
<b>Nominal voltage</b>															
300/500 V		✓	✓	✓	✓	✓	✓	✓	✓				✓		
450/750 V			✓												
600/1000 V										✓	✓	✓			
<b>Design</b>															
PVC core insulation			✓			✓	✓	✓	✓				✓		
TPE core insulation												✓			
Poly-olefine based core insulation														✓	
Rubber core insulation		✓		✓	✓					✓	✓				
Supporting element: hemp/textile rope		✓				✓	✓					✓			
Supporting element: steel rope, internal									✓						
Supporting element: steel rope, external										✓					
Supporting element: Kevlar rope						✓	✓			✓	✓				
Outer sheath with supporting braid										✓	✓	✓			
PVC sheath			✓			✓	✓	✓						✓	
PUR sheath						✓	✓	✓				✓	✓	✓	
Rubber sheath		✓		✓	✓					✓	✓				

✓ Main application/design  
 ✓ Possible application

● Flexible use  
 □ Fixed and flexible use  
 ▲ Fixed installation

\*Min. conductor temperature -15 °C with flexible application and nominal voltage  $U_0/U = 450/750 V_{ac}$  only from nominal conductor cross-section of 1.5 mm<sup>2</sup>  
 \*\*Min. bending radius 5 x D only if outer diameter < 21.5 mm

Usage criteria	Cable designation																						
	ÖFLEX® CRANE NSHTÖU	ÖFLEX® CRANE VS (N)SHTÖU	ÖFLEX® CRANE PUR	ÖFLEX® CRANE	ÖFLEX® CRANE CF	ÖFLEX® CRANE 2S	ÖFLEX® LIFT	ÖFLEX® LIFT T	ÖFLEX® LIFT S	ÖFLEX® CRANE F	ÖFLEX® LIFT F	ÖFLEX® CLASSIC FD 810 P	UNITRONIC® FD CP plus/(TF) plus	UNITRONIC® BUS PB FESTOON									
 <p>Cable trailer systems</p>				✓	✓					✓	✓	✓	✓	✓									
 <p>Reeling, light stress (monospiral configuration – stacked)</p>	✓	✓	✓																				
 <p>Reeling, moderate stress (multispiral configuration – single layer)</p>	✓	✓	✓																				
 <p>Reeling, moderate stress (multispiral configuration – multilayer)</p>	✓	✓	✓																				
 <p>Vertical reeling</p>	✓	✓																					
 <p>Reel storage (horizontal)</p>	✓	✓																					
 <p>Reel storage (vertical)</p>			✓																				
 <p>Re-routing under tensile load</p>	✓	✓																					
 <p>Push-button control unit</p>	✓	✓			✓																		
 <p>Drag chain</p>	✓	✓	✓	✓						✓	✓	✓	✓										
<p>Lift</p>							✓	✓	✓	✓	✓												

✓ Main application  
 ✓ Possible application