

Usage criteria		Cable designation															
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		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)SHTÖU	ÖLFLEX® CRANE PUR	ÖLFLEX® CLASSIC FD 810 P	UNITRONIC® FD CP plus (TP) plus	UNITRONIC® BUS PB FESTOON		
Use																	
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															
Standards																	
In accordance with VDE/HAR/DIN		✓	✓	✓	✓			✓	✓		✓	✓		✓			
With VDE approval										✓							
With VDE registration																	
Flame-retardant acc. to IEC 60332-1-2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Temperature range																	
+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		▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	□	▲	□	□		
Bending radius																	
7.5 x D										✓	✓	✓	✓				
10 x D			✓	✓	✓									✓			
12.5 x D		✓															
20 x D						✓	✓	✓	✓								
Nominal voltage																	
300/500 V		✓	✓	✓	✓	✓	✓	✓				✓					
450/750 V			✓														
600/1000 V									✓	✓	✓						
Design																	
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 mm²
 **Min. bending radius 5 x D only if outer diameter < 21.5 mm

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Application															
Cable trailer systems					✓	✓					✓	✓	✓	✓	✓
Reeling, light stress (monospiral configuration – stacked)		✓	✓	✓											
Reeling, moderate stress (multispiral configuration – single layer)		✓	✓	✓											
Reeling, moderate stress (multispiral configuration – multilayer)		✓	✓	✓											
Vertical reeling			✓	✓											
Reel storage (horizontal)			✓	✓											
Reel storage (vertical)				✓											
Re-routing under tensile load			✓	✓											
Push-button control unit			✓	✓		✓									
Drag chain		✓	✓	✓	✓						✓	✓	✓	✓	
Lift								✓	✓	✓	✓	✓			

✓ Main application
✓ Possible application