

# ÜNFLEX LIFT TRAILING PUR - HF



## CABLE STRUCTURE

<b>Conductors</b>	Plain annealed copper wire Class 5 or Class 6 according to IEC 60228
<b>Insulation</b>	All cores are insulated with Polyamide alloy based compound or halogen free compound based on polyester elastomer compound. In need cores are wrapped by PTFE to increase the abrasion resistivity
<b>Core Identification</b>	Up to 5 cores: colored in accordance with DIN VDE 0293-308; From 6 cores: white cores with black numbers
<b>Lay Up</b>	Central Aramide (Kevlar) strength member, cores laid up in concentric layers with shorth length of lay
<b>Inner Sheath</b>	Halogen Free, flame retardant Polyurethane compound
<b>Reinforcement</b>	Anti-twisting element - Aramide (Kevlar) yarns braiding
<b>Outer Sheath</b>	Halogen Free, flame retardant Polyurethane compound
<b>Color</b>	Yellow, black or orange

## STANDARDS & MAIN CHARACTERISTICS

<b>Construction</b>	Generally to IEC 60502 & VDE 0250
<b>Electrical Tests</b>	DIN VDE 0472-501, 502, 503, 508
<b>Non-Electrical Tests</b>	DIN VDE 0472-401, 402, 602, 303, 615
<b>General Requirements</b>	DIN VDE 0250-1 and IEC 60502
<b>Flame Retardant</b>	IEC 60332-1
<b>Oil Resistant</b>	HD/EN/IEC 60811-2-1, DIN VDE 0473-811-2-1

## OPERATING CHARACTERISTICS

<b>Rated Voltage</b>	0,6 / 1 kV
<b>Max. Operating Ac Voltage</b>	0,7 / 1,2 kV
<b>Max. Operating Dc Voltage</b>	0,9 / 1,8 kV
<b>Ac Test Voltage</b>	3,5 kV
<b>Min Bending Radius</b>	6 x D (fixed application) 8 x D (mobile application)
<b>Current Carrying Capacity</b>	According to DIN VDE 0298-4
<b>Working Temperature</b>	
Fixed	- 50 °C up to + 90 °C
Mobile	- 40 °C up to + 90 °C
<b>Conductor Operating Temperature</b>	+ 90 °C
<b>Conductor Short Circuit Temperature</b>	+ 250 °C
<b>Max. Tensile Load On Conductor</b>	30 N/mm <sup>2</sup>
<b>Max. Torsion</b>	±25°/m
<b>Travel Speed</b>	
In Festoon Systems	Up to 200 m / min
In Reeling Application	Up to 200 m / min horizontal Up to 150 m / min vertical

### Application

For use as vertical reeling cable under high mechanical stresses, torsion, tension and torque. Mainly used for Vertical Platform Lift Trailing Cable reeling application. A strength member has been integrated to increase tensile load, acceleration and speed. The special polyurethane compound jacket offers a very good protection against hydrolysis, solvents, alkalines and oils.



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Cross Section (mm <sup>2</sup> )	Overall Diameter Min. - Max. (mm)	Approximate Weight (kg / km)
4 x 10	17,4 - 18,9	610
4 x 16	20,0 - 22,1	852
4 x 25	22,9 - 25,3	1228
4 x 35	28,5 - 30,2	1760
5 x 10	18,7 - 20,5	724
5 x 16	21,7 - 24,2	1030
5 x 25	30,0 - 36,0	2570