

# TRAXLINE CONTROL 400 C 600 V

Shielded continuous bending hi-flex PVC control cables



Picture obtainable.



**Core insulation**  
PP  
bundled stranding  
(> 8 cores)



**Inner jacket**  
PVC  
valley-sealed,  
pressure extruded,  
hi-flex design



**Overall shield**  
continuous bending hi-flex,  
tin-plated copper braiding  
for smallest bend radii



**Outer jacket**  
PVC  
pressure extruded  
hi-flex design  
very abrasion-resistant



**Jacket colour black**  
ozone-resistant  
UV-resistant

Up to  
**4 million**  
motion cycles!

Up to  
**100 m**  
travel length!

TSUBAKI KABELSCHLEPP  
TRAXLINE  
cables for  
cable carriers



## Developed for

- systems engineering and mechanical engineering
- crane and conveyor equipment
- monitoring, measuring and control cables
- medium to heavy loads
- long travel length

## Properties

- hi-flex design
- oil-resistant
- UV-resistant
- REACH/RoHS II
- ozone-resistant
- metermarked
- CFC-free
- silicone-free
- flame-retardant
- high abrasion resistant

## Design

<b>Conductor:</b>	bare copper wires class 6 in an optimized hi-flex design
<b>Center element:</b>	type-dependent
<b>Core insulation:</b>	PP
<b>Core identification:</b>	black with white numbers, protective conductor green/yellow
<b>Core stranding:</b>	conductor cores bundled in short pitches with minimal torsion (> 8 cores) conductor cores layered in short pitches with minimal torsion (≤ 8 cores)
<b>Inner jacket:</b>	PVC
<b>Shielding:</b>	coverage nom. 85 %
<b>Outer jacket:</b>	PVC
<b>Jacket colour:</b>	black

## Technical Data

<b>Temperature range</b>	
<b>while moved:</b>	-5 to + 80 °C
<b>Minimum bend radius</b>	
<b>while moved:</b>	$KR_{min} \geq 7.5 \times \varnothing$
<b>v<sub>max</sub> supported:</b>	5 m/s
<b>v<sub>max</sub> gliding:</b>	3 m/s
<b>a<sub>max</sub>:</b>	20 m/s <sup>2</sup>
<b>Insulation resistance:</b>	≥ 30 MΩ x km
<b>Rated voltage:</b>	according to VDE 300/500 V according to UL 600 V
<b>Approvals:</b>	cURus, based on VDE

varying parameters possible – please contact us

More information:  
[traxline.com](http://traxline.com)

[kabelschlepp.de](http://kabelschlepp.de)

Questions about cable carrier cables? Fon: +49 2762 4003-0

## Type selection

### TRAXLINE CONTROL 400 C 600 V – shielded

core number x nominal-cross-section in mm <sup>2</sup>	part number	max. Ø mm	cable weight kg/m	copper weight kg/m
(5 G 0,5 <sup>2</sup> )	48664	8,7	0,110	0,052
(7 G 0,5 <sup>2</sup> )	48666	9,8	0,136	0,066
(9 G 0,5 <sup>2</sup> )	48668	11,2	0,172	0,090
(12 G 0,5 <sup>2</sup> )	48670	12,7	0,220	0,106
(18 G 0,5 <sup>2</sup> )	48674	15,1	0,302	0,169
(25 G 0,5 <sup>2</sup> )	48678	17,2	0,405	0,223
(30 G 0,5 <sup>2</sup> )	48679	18,9	0,473	0,272
(36 G 0,5 <sup>2</sup> )	48680	20,6	0,552	0,302
(3 G 0,75 <sup>2</sup> )	48682	8,3	0,095	0,045
(4 G 0,75 <sup>2</sup> )	48070	8,9	0,111	0,055
(7 G 0,75 <sup>2</sup> )	48071	10,9	0,164	0,085
(12 G 0,75 <sup>2</sup> )	48072	14,3	0,278	0,151
(18 G 0,75 <sup>2</sup> )	48073	17,1	0,379	0,225
(25 G 0,75 <sup>2</sup> )	48074	19,6	0,516	0,295
(4 G 1,0 <sup>2</sup> )	48075	9,3	0,128	0,073
(7 G 1,0 <sup>2</sup> )	48076	11,4	0,190	0,115
(12 G 1,0 <sup>2</sup> )	48077	15,1	0,319	0,198
(18 G 1,0 <sup>2</sup> )	48078	18,2	0,447	0,272
(25 G 1,0 <sup>2</sup> )	48079	20,8	0,596	0,357
(4 G 1,5 <sup>2</sup> )	48080	10,4	0,161	0,085
(5 G 1,5 <sup>2</sup> )	48081	11,1	0,184	0,103
(7 G 1,5 <sup>2</sup> )	48082	12,9	0,249	0,148
(12 G 1,5 <sup>2</sup> )	48083	17,3	0,425	0,269
(18 G 1,5 <sup>2</sup> )	48084	20,9	0,601	0,382
(25 G 1,5 <sup>2</sup> )	48085	23,9	0,802	0,503
(30 G 1,5 <sup>2</sup> )	48086	26,7	0,977	0,635



Additional cable types upon request.

Sales terms and delivery conditions under kabelschlepp.de

More information:  
[traxline.com](http://traxline.com)

[kabelschlepp.de](http://kabelschlepp.de)

Questions about cable carrier cables? Fon: +49 2762 4003-0