TRAXLINE CONTROL 400 600 V

Unshielded continuous bending hi-flex PVC control cables

Picture obtainable.

Core insulation
PP
bundled stranding
(> 8 cores)

Outer jacket
PVC
valley-sealed extruded
hi-flex design
high 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

c UL us CE

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

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

Technical Data

Temperature range while moved:	– 5 to + 80 °C
Minimum bend radius while moved:	$KR_{min} \geq 7.5 \times Ø$
v_{max} supported:	5 m/s
v_{max} gliding:	3 m/s
a_{max}:	20 m/s²
Insulation resistance:	≥ 30 MΩ x km
Rated voltage:	according to VDE 300/500 V according to UL 600 V
Approvals:	cURus, based on VDE

varying parameters possible – please contact us

Subject to change.

Type selection

TRAXLINE CONTROL 400 600 V – unshielded

core number x nominal-cross-section in mm²	part number	max. Ø mm	cable weight kg/m	copper weight kg/m
2 x 0.5²	**48110**	5.8	0.040	0.010
3 G 0.5²	**48111**	6.1	0.047	0.014
4 G 0.5²	**48112**	6.6	0.057	0.019
5 G 0.5²	**48113**	7.0	0.063	0.025
7 G 0.5²	**48115**	8.1	0.088	0.034
12 G 0.5²	**48119**	10.7	0.145	0.063
18 G 0.5²	**48121**	12.7	0.199	0.087
25 G 0.5²	**48124**	14.4	0.267	0.130
30 G 0.5²	**48125**	15.9	0.324	0.155
36 G 0.5²	**48126**	17.5	0.404	0.185
48 G 0.5²	**48128**	21.0	0.524	0.260
4 G 0.75²	**48040**	7.2	0.068	0.029
5 G 0.75²	**48041**	7.8	0.082	0.036
7 G 0.75²	**48042**	8.9	0.106	0.051
12 G 0.75²	**48043**	12.1	0.183	0.088
18 G 0.75²	**48044**	14.5	0.268	0.138
25 G 0.75²	**48045**	16.6	0.362	0.195
3 G 1.0²	**48046**	6.9	0.065	0.029
4 G 1.0²	**48047**	7.6	0.081	0.039
5 G 1.0²	**48048**	8.2	0.097	0.050
7 G 1.0²	**48049**	9.4	0.127	0.068
12 G 1.0²	**48050**	12.7	0.212	0.125
18 G 1.0²	**48051**	15.4	0.322	0.187
25 G 1.0²	**48052**	17.7	0.438	0.260
3 G 1.5²	**48053**	7.8	0.086	0.045
4 G 1.5²	**48054**	7.8	0.095	0.058
5 G 1.5²	**48055**	8.5	0.115	0.072
7 G 1.5²	**48056**	10.8	0.171	0.101
12 G 1.5²	**48057**	14.7	0.303	0.174
18 G 1.5²	**48058**	18.0	0.462	0.280
25 G 1.5²	**48059**	20.7	0.588	0.360
4 G 2.5²	**48060**	9.7	0.152	0.096

Additional cable types upon request.
Sales terms and delivery conditions under kabelschlepp.de