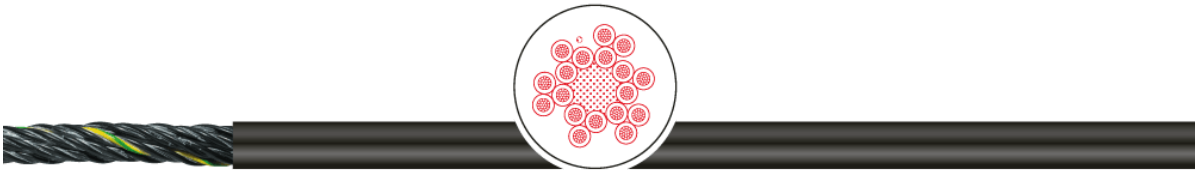




for high requirements, 0,6/1kV, unshielded, halogen-free, UL/CSA



APPLICATION

flexible power and control cable for high electrical and mechanical requirements in drag chain and motion drive systems in machine and plant engineering and in the field of crane and conveyor technology in dry and humid rooms also outdoor.



SPECIAL FEATURES

- UL/CSA approved
- flame-retardant, halogen-free and low adhesion
- resistant to grease, coolant fluids and lubricants
- resistant to oil acc. to DIN EN 60811-404 168 h / +100 °C
- UV and weather resistant
- silicone-free
- NEW:with Ripcord, for faster and core protected dismantling

PRODUCT DETAILS

DESIGN

Conductor material	bare copper strand
Conductor class	acc. to DIN VDE 0295 cl. 6 resp. IEC 60228 cl. 6
Core insulation	PELON®2
Core identification	BK with numerals print + 1x GNYE
Overall stranding	≤ 11 cores stranded in single layer, ≥ 12 cores stranding in bundles around tensile strength, opt. lay length
Outer sheath material	PUR, with Rip cord
Sheath colour	black, RAL 9005

ELECTRICAL PROPERTIES

Rated voltage AC IEC	1.000 V AC UL / cUL 600 V
Testing voltage	3.000 V
Conductor resistance	at +20 °C acc. to DIN VDE 0295 cl. 6 / IEC 60228 cl. 6

MECHANICAL & DYNAMIC PROPERTIES

Min. bending radius fixed	4 x d
Min. bending radius moved	6,5 x d (< 10 m) / 7,5 x (≥ 10)
Traverse length (m) - drag chain	self-supporting/gliding max. 100 m
Traverse speed (m/s) - drag chain	self-supporting: max. 10 m/s, gliding: max. 5 m/s
Acceleration (m/s²) - drag chain	max. 80 m/s²

THERMAL PROPERTIES

Operat. temp. fixed min./max. [°C]	-40 °C / +80 °C
Operat. temp. moved min/max [°C]	-25 °C / +80 °C



PROPERTIES IN CASE OF FIRE

Burning behavior acc. to IEC 60332-1, cable flame test, FT1

STANDARDS & APPROVALS

Approvals UL/CSA - cURus 80 °C, 1.000 V

ITEM OVERVIEW

KAWEFLEX Allround 7130 SK-PUR UL/CSA

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1701276	4 G 0,5 (AWG 21)	5,5	20,0	40,0
1701277	5 G 0,5 (AWG 21)	5,9	25,0	51,0
1701279	7 G 0,5 (AWG 21)	7,2	35,0	69,0
1701284	12 G 0,5 (AWG 21)	10,0	60,0	123,0
1701288	16 G 0,5 (AWG 21)	11,8	80,0	161,0
1701290	18 G 0,5 (AWG 21)	12,3	90,0	183,0
1701297	25 G 0,5 (AWG 21)	14,3	125,0	264,0
1701302	30 G 0,5 (AWG 21)	15,2	150,0	305,0
1701308	36 G 0,5 (AWG 21)	16,8	180,0	349,0
1701315	3 G 0,75 (AWG 19)	5,5	23,0	43,0
1701316	4 G 0,75 (AWG 19)	5,9	30,0	56,0
1701317	5 G 0,75 (AWG 19)	6,5	38,0	69,0
1701319	7 G 0,75 (AWG 19)	8,1	53,0	91,0
1701324	12 G 0,75 (AWG 19)	11,5	90,0	170,0
1701330	18 G 0,75 (AWG 19)	14,1	135,0	299,0
1701337	25 G 0,75 (AWG 19)	16,2	188,0	364,0
1701348	36 G 0,75 (AWG 19)	18,6	270,0	631,0
1701360	2 X 1 (AWG 18)	5,8	20,0	45,0
1701361	3 G 1 (AWG 18)	6,1	30,0	55,0
1701362	4 G 1 (AWG 18)	6,7	40,0	69,0
1701363	5 G 1 (AWG 18)	7,5	50,0	88,0
1701365	7 G 1 (AWG 18)	8,6	70,0	146,0
1701370	12 G 1 (AWG 18)	12,4	120,0	212,0
1701376	18 G 1 (AWG 18)	15,9	180,0	329,0
1701383	25 G 1 (AWG 18)	18,0	250,0	460,0
1701386	36 G 1 (AWG 18)	21,9	360,0	642,0
1701389	42 G 1 (AWG 18)	23,5	420,0	742,0
1701395	3 G 1,5 (AWG 16)	6,8	45,0	75,0
1701396	4 G 1,5 (AWG 16)	7,4	60,0	101,0
1701397	5 G 1,5 (AWG 16)	8,1	75,0	123,0
1701399	7 G 1,5 (AWG 16)	10,0	105,0	170,0
1701404	12 G 1,5 (AWG 16)	14,5	180,0	303,0
1701410	18 G 1,5 (AWG 16)	18,2	270,0	404,0
1701417	25 G 1,5 (AWG 16)	20,2	375,0	628,0
1701428	36 G 1,5 (AWG 16)	25,2	540,0	729,0
1701431	42 G 1,5 (AWG 16)	26,6	630,0	1.052,0
1701435	3 G 2,5 (AWG 14)	7,9	75,0	121,0
1701436	4 G 2,5 (AWG 14)	8,6	100,0	160,0
1701437	5 G 2,5 (AWG 14)	9,4	125,0	190,0
1701439	7 G 2,5 (AWG 14)	12,0	175,0	265,0
1701442	10 G 2,5 (AWG 14)	13,7	250,0	368,0
1701444	12 G 2,5 (AWG 14)	17,2	300,0	411,0
1701446	14 G 2,5 (AWG 14)	19,4	350,0	476,0
1701450	18 G 2,5 (AWG 14)	21,3	450,0	607,0
1701457	25 G 2,5 (AWG 14)	23,9	625,0	837,0
1701460	36 G 2,5 (AWG 14)	29,1	900,0	1.198,0