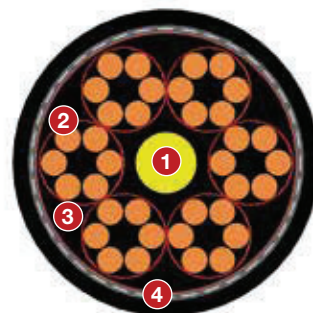


UTVFLEX® - BASKET 0,6/1KV

3GRDGÖU – WITHOUT BALLS ROPES

Control cable specifically designed for gravity-feed collector baskets of latest generation high-speed container cranes. In order to avoid cable damages, the cable must be installed into the basket in counter-clockwise direction, free of torsion.



1 CENTRAL SUPPORT ELEMENT

MATERIAL: Made of aramidic yarns

To be used as support element with a minimum tensile strength of 10 kN

2 PHASE CONDUCTOR

MATERIAL: Tinned copper conductor, specially designed for mobile application

CONSTRUCTION: flexible cl. 5 IEC 60228

3 INSULATION

MATERIAL: EPR compound better than 3GI3, specially developed compound with improved mechanical characteristics

4 SHEAT

MATERIAL: Special CPS compound, high density specially developed compound UV resistant, lubricants resistant

APPLICATION



ELECTRICAL WORKING DATA

Nominal rated voltage U_0 / U	kV	0,6/1
Max AC voltage	kV	3,5
Current rating	A	According to VDE 0298 Part 4

THERMAL WORKING DATA

Maximum short circuit temperature	°C	250
Maximum working temp. on the conductor	°C	90
Minimum ambient temperature*	°C	Mobile condition: -25 Static condition: -40

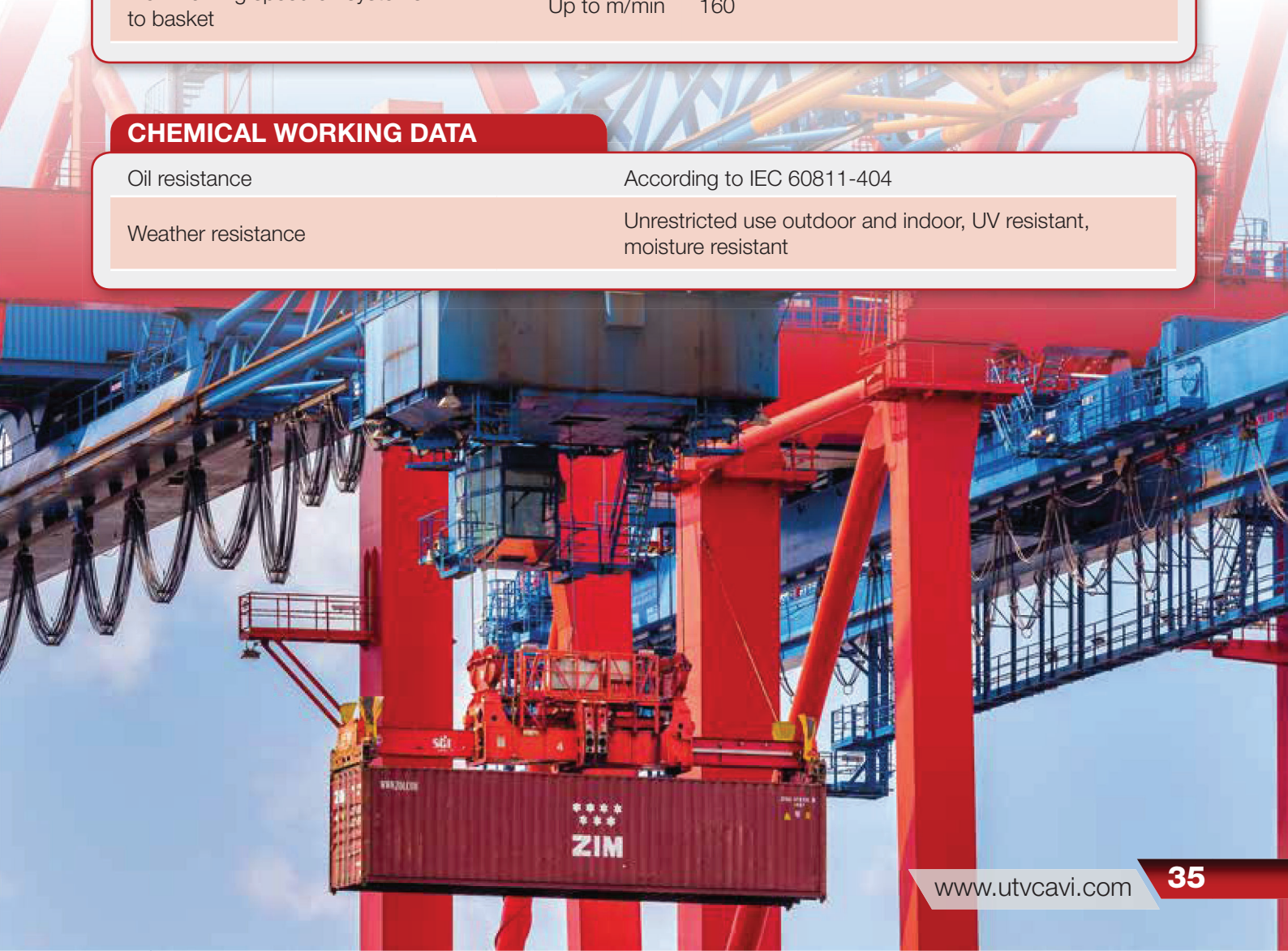
* Upon request UTFLEX® BASKET 0,6/1kV special version for low temperature (up to -40°C in mobile application)

MECHANICAL WORKING DATA

Bending radius	mm	According to VDE 0298 Part 3
Maximum tensile load	Up to 15N/mm ²	with minimum 4000N
Max working speed on systems to basket	Up to m/min	160

CHEMICAL WORKING DATA

Oil resistance	According to IEC 60811-404
Weather resistance	Unrestricted use outdoor and indoor, UV resistant, moisture resistant



UTVFLEX® - BASKET 0,6/1KV

VOLTAGE kV	CORES X CROSS SECTION Nr x mm ²	(n x n sEct)	MIN OVERALL Ø mm	MAX OVERALL Ø mm	APPROX WEIGHT kg/km	MAX TENSILE LOAD N
0,6/1	36x2,5	(6x6x2,5)	39,1	43,1	2.790	4000
0,6/1	42x2,5	(7x6x2,5)	43,0	47,0	3.260	4000
0,6/1	48x2,5	(8x6x2,5)	46,4	50,4	3.690	4000
0,6/1	54x2,5	(9x6x2,5)	50,1	54,1	4.280	4000
0,6/1	36x3,3	(6x6x3,3)	42,7	46,7	3.380	4000
0,6/1	42x3,3	(7x6x3,3)	47,1	51,1	3.980	4000
0,6/1	48x3,3	(8x6x3,3)	51,2	55,2	4.560	4000
0,6/1	54x3,3	(9x6x3,3)	55,5	59,5	5.310	4000

The diameter and weight shown is approximate, they may have some tolerance (to be confirmed when ordering).
Other cross sections and colors available upon request.

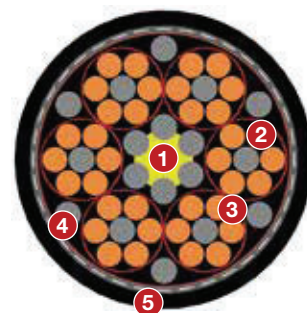


UTVFLEX® BASKET

YSLTOE-J

Based on DIN VDE 0250 Part 405

Control cable specifically designed for gravity-feed collector baskets of latest generation high-speed container cranes. In order to avoid cable damages, the cable must be installed into the basket in counter-clockwise direction, free of torsion. The basket diameter has to be bigger than $30 \times D$ (D = cable diameter) and the cable has to be hooked on the top with a proper system (cable mesh grip or 2,5 cable loops on anchoring drum).



1 CENTRAL SUPPORT ELEMENT

Lead balls ropes stranded around, KEVLAR® supports

2 PHASE CONDUCTORS

MATERIAL: bare flexible copper

CONSTRUCTION: class 5 VDE 0295 (IEC 60228)

3 INSULATION

MATERIAL: Special thermoplastic compound

4 CORE ASSEMBLY

6 cores bundles, with central lead ball rope, stranded around the central support with interstitial lead ball ropes

5 SHEATH

MATERIAL: halogen free polyurethane

COLOUR: black

APPLICATION



ELECTRICAL WORKING DATA

Nominal rated voltage U_0 / U	V	300/500
Test voltage	kV	2
Max AC voltage	V	318/550
Max DC voltage	V	825
Current rating	A	According to VDE 0298 Part 4

THERMAL WORKING DATA

Maximum short circuit temperature	°C	150
Maximum working temp. on the conductor	°C	70
Minimum ambient temperature	°C	-20

Upon request UTVFLEX® BASKET 0,6/1kV special version for low temperature (up to -40°C in mobile application)

MECHANICAL WORKING DATA

Bending radius	mm	According to VDE 0298 Part 3
Maximum tensile load	N	See table below
Max working speed on systems to basket	m/min	160

CHEMICAL WORKING DATA

Oil resistance	According to IEC 60811-404
Ozone resistance	According to IEC 60811-403
Burning behaviour	According to IEC 60332-1-2

VOLTAGE	CORES X CROSS SECTION	CONDUCTOR	MIN OVERALL	MAX OVERALL	APPROX WEIGHT	MAX TENSILE LOAD
V	Nr x mm ²	Ø mm	Ø mm	Ø mm	kg/km	N
300/500	48G1	1,3	32,4	33	2460	13000
300/500	30G2,5	2	32,1	32,7	2060	13000
300/500	36G2,5	2	35,8	36,4	2670	13000
300/500	42G2,5	2	39,5	40,2	3330	13000
300/500	48G2,5	2	42,7	43,6	4260	13000

The diameter and weight shown is approximate, they may have some tolerance (to be confirmed when ordering).
Other cross sections and colors available upon request.