



REELTEC®

Drumable cables including installation display



## Extreme movement stress

Movements at lofty heights - as precisely and quickly as possible. Exactly this is part of the requirement profile for state-of-the-art crane technology and container gantry cranes, which effortlessly handle heavy loads. Behind all this „back & forth“ and „up & down“ is complex control technology – and a large variety of cables designed from A to Z for these applications.

## Individual cable solutions

Special cables are already part of our standard portfolio. We meet your demands on cables through the use of innovative designs, materials and manufacturing techniques. What is still in the future elsewhere, you can already see with us as the state-of-the-art technology and plan for your projects.





## Application field

### Energy supply

for a secure connection  
to the container

> REELTEC®

## Drumable cables



## Application

Halogen-free reeling cable for heavy duty devices such as cable reels (also vertical operation), hoisting devices, conveyor facilities, mobile motors, rail motors and agricultural devices. For exceptional mechanical stress in dry, humid and wet rooms and for outdoor use.

## Structure



conductor material  
bare copper strand



core material based on polyester



core identification  
VDE 0293-308



stranding cores stranded in layers



inner sheath material polyurethane



outer sheath material polyurethane

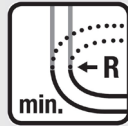
## Specifications



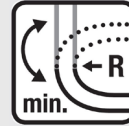
rated voltage  $U_0/U$   
0,6/1 kV



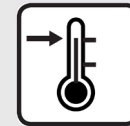
testing voltage  
2,5 kV



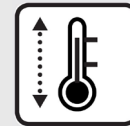
min. bending radius fixed  
6 x d



min. bending radius moved  
6 x d (7,5 x d with roller deflection)



operat. temperature fixed min./max.  
-50 °C / +90 °C



operat. temperature fixed min./max.  
-40 °C / +90 °C





Item No.	Dimension n x mm <sup>2</sup>	Item No.	Dimension n x mm <sup>2</sup>	Item No.	Dimension n x mm <sup>2</sup>
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**REELTEC® PUR-HF-O**

3004001	3 X (2 X 1)C
3004002	6 X (2 X 1)C

**REELTEC® PUR-HF-J**

3004003	4 x 1,5	3004019	4x 4	3004033	4 X 16 + 2 X (4 X 1,5)C
3004004	5 x 1,5	3004020	14 x 4	3004035	4 X 25 + 2 X (6 X 1,5)C
3004005	7 x 1,5			3004036	4 X 35 + 2 X (4 X 1,5)C
3004006	12 x 1,5	3004021	4 x 6		
3004007	18 x 1,5	3004022	4 x 10	3004038	5 X 4 + 10 X 2,5
3004008	24 x 1,5	3004023	4 x 16		
3004009	30 x 1,5	3004024	4 x 25	3004041	19 X 2,5 + 5 X 1,5(C)
3004010	42 x 1,5	3004025	4 x 35	3004042	25 X 1,5 + 5 X 1,5(C)
				3004048	25 X 1,5 + 10 X (2 X 1)C
3004011	4 x 2,5	3004027	5 x 4		
3004012	5 x 2,5	3004028	5 x 6	3004050	8 X 6 X 2,5
3004013	7 x 2,5	3004029	5 x 10		
3004014	12 x 2,5	3004030	5 x 16		
3004015	18 x 2,5	3004056	4G1,5 + 2 X (2 X 0,75)C		
3004016	24 x 2,5	3004071	4 X 6 + 2 X (2 X 1)C		
3004017	30 x 2,5				
3004018	36 x 2,5	3004032	4 X 6 + 4 X (2 X 1,5)C		

Drumable cables



REELTEC® (K) NSHTÖU, REELTEC® (K) (N)SHTÖU

### Application

Reeling cable for winding operation, especially with tensile stress at the same time and/or torsional stress and/or compulsory cable direction. Suitable for dry, humid and wet rooms, for outdoor use and also on construction sites, in commercial and agricultural plants. For travelling up to 120 m/min.

### Structure



conductor material  
tinned copper strand



core material  
rubber compound



core identification  
VDE 0293-308



stranding  
cores stranded  
in layers



inner sheath  
material  
special rubber  
compound



outer sheath  
material  
special rubber  
compound

### Specifications



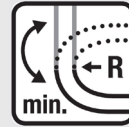
rated voltage  
 $U_0/U: 0,6/1$  kV



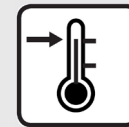
testing voltage  
2,5 kV



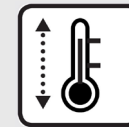
min. bending  
radius fixed  
DIN VDE 0298  
Teil 3



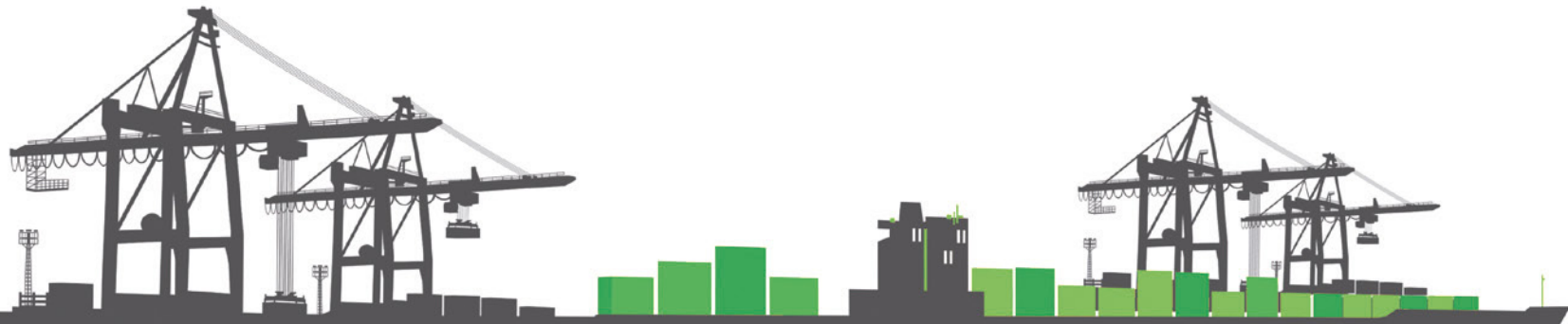
min. bending  
radius moved  
DIN VDE  
0298 Teil 3



operat. temperature  
fixed min./max.  
-40 °C / +80 °C



operat. temperature  
fixed min./max.  
-25 °C / +80 °C



## Dimensions



Item No.	Dimension n x mm <sup>2</sup>	Item No.	Dimension n x mm <sup>2</sup>	Item No.	Dimension n x mm <sup>2</sup>
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### REELTEC® (K), NSHTÖU-O, REELTEC® (K) (N)SHTÖU-O

3004201	3 X (2 X 1,5)C
3004202	6 X (2 X 1,5)C

### REELTEC® (K), NSHTÖU-J, REELTEC® (K) (N)SHTÖU-J

3004204	4 x 1,5	3004222	45 x 2,5	3004238	5 x 6
3004205	5 x 1,5	3004223	50 x 2,5	3004239	5 x 10
3004206	7 x 1,5			3004240	5 x 16
3004207	12 x 1,5	3004225	4 x 4	3004241	5 x 25
3004208	18 x 1,5	3004226	4 x 6	3004242	5 x 35
3004209	24 x 1,5	3004227	4 x 10		
3004210	30 x 1,5	3004228	4 x 16	3004243	19 x 2,5 + 5 x 1,5(C)
3004212	42 x 1,5	3004229	4 x 25	3004244	25 x 2,5 + 5 x 1,5(C)
		3004230	4 x 35		
3004213	4 x 2,5	3004231	4 x 50		
3004214	5 x 2,5	3004232	4 x 70		
3004215	7 x 2,5	3004233	4 x 95		
3004216	8 x 2,5	3004234	4 x 120		
3004217	12 x 2,5	3004235	4 x 150		
3004218	18 x 2,5	3004236	4 x 185		
3004219	24 x 2,5				
3004220	30 x 2,5	3004237	5 x 4		

Drumable cable



### Application

Reeling cable for winding operation, especially with simultaneously tensile stress and/or torsional stress and/or forced cable guidance. Suitable for dry, humid and wet rooms, for outdoor use and also on construction sites, in commercial and agricultural plants.

### Structure



conductor material  
bare copper strand  
FO: Graded index-  
fibre 62,5/125  $\mu$



core isolation  
rubber compound



core identification  
VDE 0293-308



overall stranding  
cores stranded  
in layers



inner sheath  
material  
special rubber  
compound



outer sheath  
material  
special rubber  
compound

### Specifications



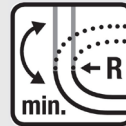
rated voltage  
 $U_0/U$ : 0,6/1 kV



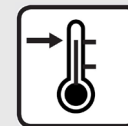
testing voltage  
2,5 kV



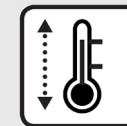
min. bending  
radius fixed  
DIN VDE 0298  
Teil 3



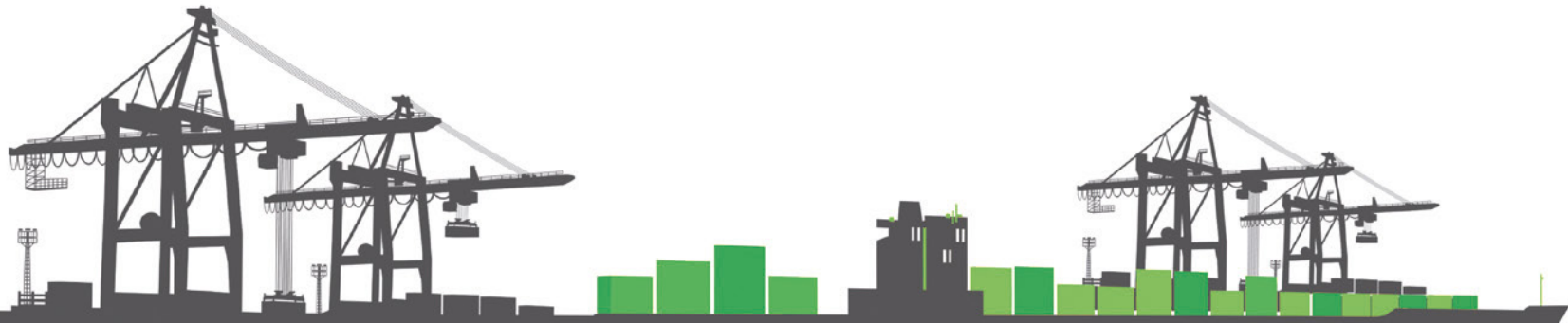
min. bending  
radius moved  
DIN VDE  
0298 Teil 3



operat. temperature  
fixed min./max.  
-40 °C / +80 °C



operat. temperature  
fixed min./max.  
-40 °C / +80 °C







Item No.                      Dimension n x mm<sup>2</sup>

### REELTEC® KSM-S (N)SHTÖU-J

3004402	3 x 50 + 3 x 25/3
3004403	3 x 70 + 3 x 35/3
3004404	3 x 95 + 3 x 50/3
3004405	3 x 120 + 3 x 70/3
3004406	3 x 150 + 3 x 70/3
3004407	3 x 185 + 3 x 95/3
3004408	3 x 240 + 3 x 120/3

Item No.                      Dimension n x mm<sup>2</sup>

### REELTEC® KSM-S (N)SHTÖU-J+FO

3004409	3 X 25 + 2 X 16/2 + 12 G 62,5/125
3004410	3 X 35 + 2 X 16/2 + 12 G 62,5/125
3004411	3 X 50 + 2 X 25/2 + 12 G 62,5/125
3004412	3 X 70 + 2 X 35/2 + 12 G 62,5/125
3004413	3 X 95 + 2 X 50/2 + 12 G 62,5/125
3004414	3 X 120 + 2 X 70/2 + 12 G 62,5/125
3004417	3 X 150 + 2 X 70/2 + 12 G 62,5/125
3004418	3 X 185 + 2 X 95/2 + 12 G 62,5/125
3004420	3 X 240 + 2 X 120/2 + 12 G 62,5/125

Drumable cables



Application

Reeling power cable also for trolley systems for power resp. data transmission for high and extreme mechanical stress such as dynamic tensile stress, multiple direction changes in different levels. Especially for mobile facilities such as fast running container cranes, crane facilities, mobile heavy equipment and diggers. Suitable for dry, humid and wet rooms and for outdoor use.

Structure



conductor material  
bare copper strand;  
Fo: Graded index-  
fibre 62,5/125  $\mu$



core material  
rubber compound; FO:  
with jelly filled PETP  
tubes in an envelope  
of heat resistant com-  
pound



core identification  
natural coloured with  
inner and outer black  
semi-conductive  
layer



overall stranding  
cores layed up around  
conductive filler with  
aramid rope in the cen-  
ter, splitted earth con-  
ductors and FO element  
in the interstices



inner sheath  
material  
rubber compound



outer sheath material  
rubber compound

Specifications



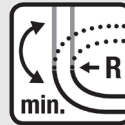
rated voltage  
 $U_0/U$ : 3,6/6 kV to  
12/20 kV



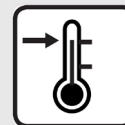
testing voltage  
11 kV bis 29 kV



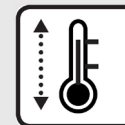
min. bending  
radius fixed  
DIN VDE 0298  
Teil 3



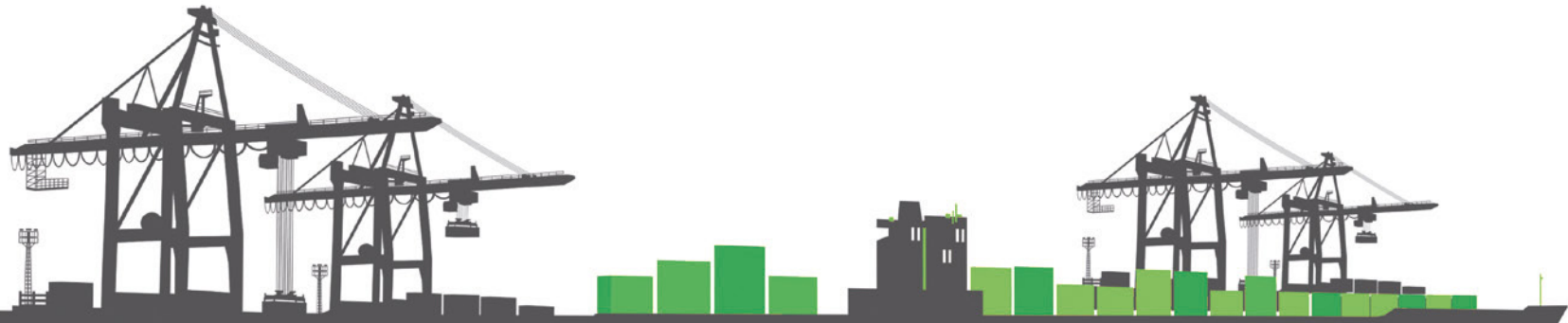
min. bending  
radius moved  
DIN VDE 0298  
Teil 3



operat. temperature  
fixed min./max.  
-40 °C / +80 °C



operat. temperature  
fixed min./max.  
-25 °C / +80 °C



## Dimensions



Item No.	Dimension n x mm <sup>2</sup>	Item No.	Dimension n x mm <sup>2</sup>	Item No.	Dimension n x mm <sup>2</sup>	Item No.	Dimension n x mm <sup>2</sup>
<b>REELTEC® KSM-S (N)TSCGEWÖU 3,6/6 kV</b>		<b>REELTEC® KSM-S (N)TSCGEWÖU 8,7/15 kV</b>		<b>REELTEC® KSM-S (N)TSCGEWÖU + FO 3,6/16kV</b>		<b>REELTEC® KSM-S (N)TSCGEWÖU + FO 8,7/15 kV</b>	
3001650	3 x 25 + 3 x 25/3	3001668	3 x 25 + 3 x 25/3	3001686	3 x 25 + 2 x 25/2 + 12 G 62,5/125	3001704	3 x 25 + 2 x 25/2 + 12 G 62,5/125
3001651	3 x 35 + 3 x 25/3	3001669	3 x 35 + 3 x 25/3	3001687	3 x 35 + 2 x 25/2 + 12 G 62,5/125	3001705	3 x 35 + 2 x 25/2 + 12 G 62,5/125
3001652	3 x 50 + 3 x 25/3	3001670	3 x 50 + 3 x 25/3	3001688	3 x 50 + 2 x 25/2 + 12 G 62,5/125	3001706	3 x 50 + 2 x 25/2 + 12 G 62,5/125
3001653	3 x 70 + 3 x 35/3	3001671	3 x 70 + 3 x 35/3	3001689	3 x 70 + 2 x 35/2 + 12 G 62,5/125	3001707	3 x 70 + 2 x 35/2 + 12 G 62,5/125
3001654	3 x 95 + 3 x 50/3	3001672	3 x 95 + 3 x 50/3	3001690	3 x 95 + 2 x 50/2 + 12 G 62,5/125	3001708	3 x 95 + 2 x 50/2 + 12 G 62,5/125
3001655	3 x 120 + 3 x 70/3	3001673	3 x 120 + 3 x 70/3	3001691	3 x 120 + 2 x 70/2 + 12 G 62,5/125	3001709	3 x 120 + 2 x 70/2 + 12 G 62,5/125
3001656	3 x 150 + 3 x 70/3	3001674	3 x 150 + 3 x 70/3	3001692	3 x 150 + 2 x 70/2 + 12 G 62,5/125	3001710	3 x 150 + 2 x 70/2 + 12 G 62,5/125
3001657	3 x 185 + 3 x 95/3	3001675	3 x 185 + 3 x 95/3	3001693	3 x 185 + 2 x 95/2 + 12 G 62,5/125	3001711	3 x 185 + 2 x 95/2 + 12 G 62,5/125
3001658	3 x 240 + 3 x 120/3	3001676	3 x 240 + 3 x 120/3	3001694	3 x 240 + 2 x 120/2 + 12 G 62,5/125	3001712	3 x 240 + 2 x 120/2 + 12 G 62,5/125
<b>REELTEC® KSM-S (N)TSCGEWÖU 6/10 kV</b>		<b>REELTEC® KSM-S (N)TSCGEWÖU 12/20 kV</b>		<b>REELTEC® KSM-S (N)TSCGEWÖU + FO 6/10kV</b>		<b>REELTEC® KSM-S (N)TSCGEWÖU + FO 12/20kV</b>	
3001659	3 x 25 + 3 x 25/3	3001677	3 x 25 + 3 x 25/3	3001695	3 x 25 + 2 x 25/2 + 12 G 62,5/125	3001713	3 x 25 + 2 x 25/2 + 12 G 62,5/125
3001660	3 x 35 + 3 x 25/3	3001678	3 x 35 + 3 x 25/3	3001696	3 x 35 + 2 x 25/2 + 12 G 62,5/125	3001714	3 x 35 + 2 x 25/2 + 12 G 62,5/125
3001661	3 x 50 + 3 x 25/3	3001679	3 x 50 + 3 x 25/3	3001697	3 x 50 + 2 x 25/2 + 12 G 62,5/125	3001715	3 x 50 + 2 x 25/2 + 12 G 62,5/125
3001662	3 x 70 + 3 x 35/3	3001680	3 x 70 + 3 x 35/3	3001698	3 x 70 + 2 x 35/2 + 12 G 62,5/125	3001716	3 x 70 + 2 x 35/2 + 12 G 62,5/125
3001663	3 x 95 + 3 x 50/3	3001681	3 x 95 + 3 x 50/3	3001699	3 x 95 + 2 x 50/2 + 12 G 62,5/125	3001717	3 x 95 + 2 x 50/2 + 12 G 62,5/125
3001664	3 x 120 + 3 x 70/3	3001682	3 x 120 + 3 x 70/3	3004748	3 x 95 + 2 x 50/2 + 24 G E9/125	3001718	3 x 120 + 2 x 70/2 + 12 G 62,5/125
3001665	3 x 150 + 3 x 70/3	3001683	3 x 150 + 3 x 70/3	3001700	3 x 120 + 2 x 70/2 + 12 G 62,5/125	3001719	3 x 150 + 2 x 95/2 + 12 G 62,5/125
3001666	3 x 185 + 3 x 95/3	3001684	3 x 185 + 3 x 95/3	3001701	3 x 150 + 2 x 70/2 + 12 G 62,5/125	3001720	3 x 185 + 2 x 95/2 + 12 G 62,5/125
3001667	3 x 240 + 3 x 120/3	3001685	3 x 240 + 3 x 120/3	3001702	3 x 185 + 2 x 95/2 + 12 G 62,5/125	3001721	3 x 240 + 2 x 120/2 + 12 G 62,5/125
				3001703	3 x 240 + 2 x 120/2 + 12 G 62,5/125		



an INFINIT@ brand

#### About Infinite Electronics

Infinite Electronics has a global portfolio of leading in-stock connectivity solution brands. Infinite's brands help propel the world's innovators forward by working urgently to provide products, solutions, and real-time support for their customers.

Backed by Warburg Pincus, Infinite's brands serve customers across a wide range of industries with a broad inventory selection, same-day shipping and 24/7 customer service. Learn more at [infiniteelectronics.com](http://infiniteelectronics.com).

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