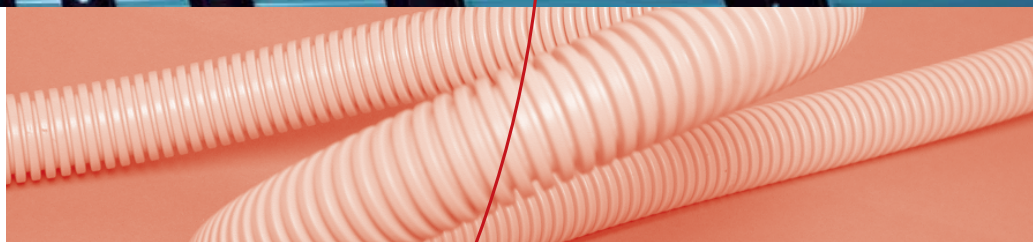
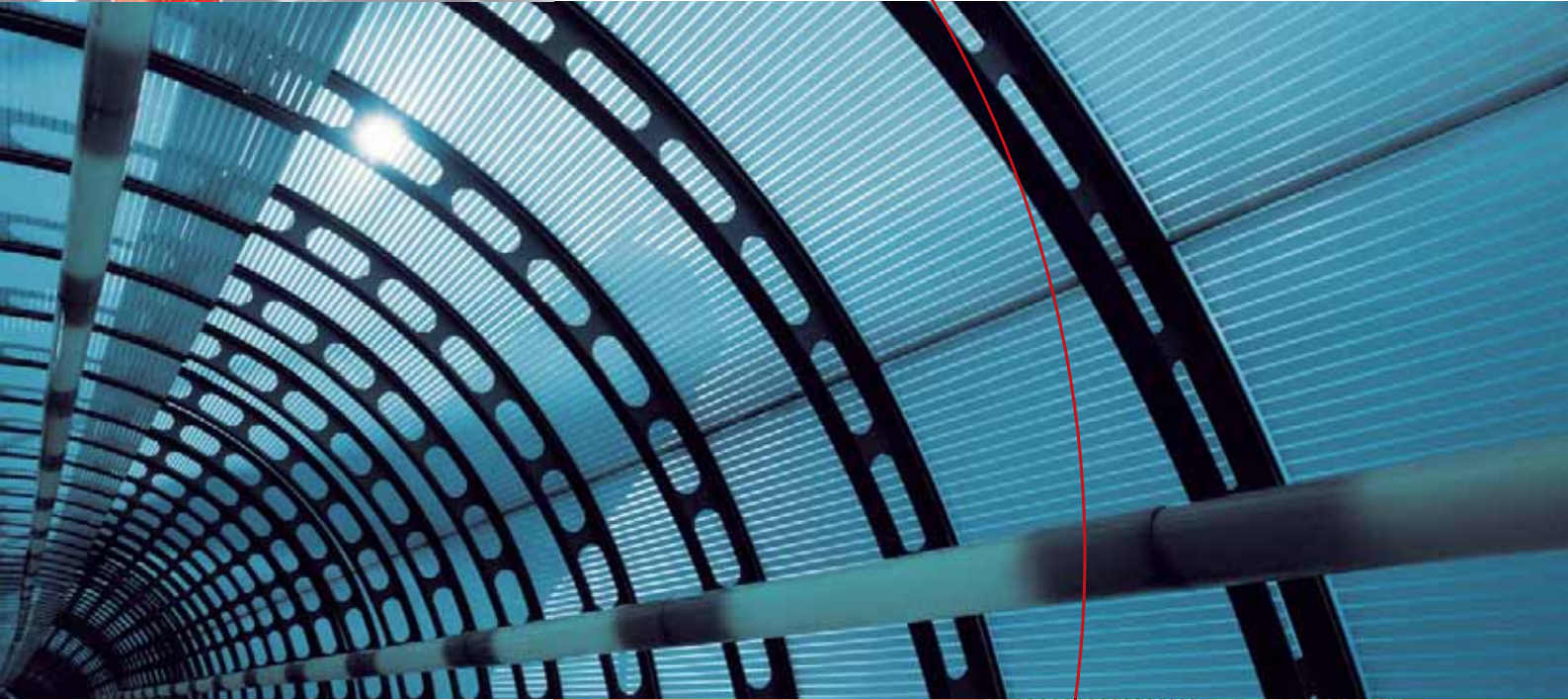


FRÄNKISCHE

ELECTRICAL SYSTEMS



MAIN CATALOGUE – Electrical Conduit Products

2008 Last revised Sept. 2008

Cable Conduits



DIN EN 61386-24
Min. compressive strength: 450N
Impact strength: normal

These robust special structured-wall cable conduits are manufactured in compliance with DIN 16961, DIN EN 50086-2-4 etc. and meet applicable telecommunication requirements. For underground installations, follow our installation manual. In addition, DIN 4033 applies.

Kabuflex® S

A rigid but pliable halogen-free, non-flame retardant structured-wall PE cable duct (corrugated outside and smooth inside). Provides high compressive strength and high impact strength. Supplied in straight lengths (3m), with coupling (will produce sandtight joint) on one side or, in straight lengths of 6m, without coupling, temperature resistance -20°C to +80°C. Additional colours available.

Applications:

Kabuflex S is ideal as cable duct or conduit, for use in high load environments e.g. under roads, squares, etc. Couplings provide sandtight (ST) joints. Profile sealing rings will provide watertight seals (WT).

	Cat. no.	75	110	120 ¹⁾	125	145	160	175
OD* [in mm]		75	110	120	125	145	160	175
ID [in mm]		63	93	99	107	125	137	149
Bend radius ≥ [in mm] ²⁾		2,000	2,800	3,000	3,200	3,600	4,000	4,500
In straight lengths of 3m w/o coupling (SD); Colour: black	190.21. ...	..075	..110	..120	..125	..145	..160	..175
In bundles of [in m]		15	15	15	15	15	15	15
Weight [in kg]/bundle		5.7	9.0	11.0	11.6	13.7	17.3	19.8
Pallet's content		630	300	270	231	180	138	126
In straight lengths of 6m w/o coupling (SD); Colour: black	190.40. ...	..075	..110	..120	..125	..145	..160	..175
In bundles of [in m]		30	30	30	30	30	30	30
Weight [in kg]/bundle		11.3	17.9	21.9	23.1	27.3	34.5	39.5
Pallet's content		1,260	600	540	462	360	276	252

* Production-related dimensional tolerances according to DIN EN 61386-24

1) Outside dimension not in compliance with DIN EN 61386-24

2) Valid for an ambient temperature of 20°C. At lower temperatures we recommend that the minimum bend radii be increased as follows: by a factor of > 1.5 x at approx. 10°C, by a factor of > 2 x at approx. 0°C.

Its low weight makes Kabuflex® easy to install and the pliability allows for large bend radii. Kabuflex is easy to load, transport, store and cut or saw at the construction site.



All dimensions without tolerances are for reference only.
Additional colours and dimensions available upon request!

Kabuflex® R

A flexible halogen-free, non-flame retardant structured-wall PE cable conduit (corrugated outside and smooth inside). Provides high compressive strength and high impact strength. Supplied with coupling (will produce sandtight joint) on one side; temperature resistance -20°C to +80°C. Additional colours available.

Applications:

A feed cord is supplied with each Kabuflex® R coil. Kabuflex R is also available without feed cord upon request. Couplings provide sandtight (ST) joints. Profile sealing rings will provide watertight seals (WT).



DIN EN 61386-24
Min. compressive strength: 450N
Impact strength: normal

	Cat. no.	40	50	63	75	90	110	120 ¹⁾	125	160
OD* [in mm]		40	50	63	75	90	110	120	125	160
ID [in mm]		32	40	53	63	76	93	99	108	137
In coils of [in m]		50	50	50	50	50	50	25	25	25
Weight [in kg]/coil		7.0	9.3	12.8	17.0	22.5	31.0	18.0	19.3	26.3
Bend radius ≥ [in mm]		350	350	350	350	350	500	500	600	750
Colour: black	191.30. ...	..040	..050	..063	..075	..090	..110	..120	..125	..160

* Production-related dimensional tolerances according to DIN EN 61386-24
1) Outside dimension not in compliance with DIN EN 61386-24

2) Valid for an ambient temperature of 20°C. At lower temperatures we recommend that the minimum bend radii be increased as follows: by a factor of > 1.5 x at approx. 10°C, by a factor of > 2 x at approx. 0°C.

Kabuflex – Accessories

Kabuflex® S and Kabuflex® R – Accessories

For cable protection conduits, coiled or in straight lengths.



Coupling SD	40	50	63	75	90	110	120	125	145	160	175
Cat. no. 199.10. ...	..040	..050	..063	..075	..090	..110	..120	..125	..145	..160	..175

Profile sealing ring	40	50	63	75 ¹⁾	90	110	120	125	145	160	175
Cat. no. 199.80. ...	..040	..050	..063	..075 ¹⁾	..090	..110	..120	..125	..145	..160	..175

End plug SD	40	50	63	75	90	110	120	125	145	160	175
Cat. no. 199.70. ...	..040	..050	..063	..075	..090	..110	..120	..125	..145	..160	..175

¹⁾ If Hauff multiple house lead-ins are used, please order the sealing ring cat. no. 199.82.075.

Kabuflex® – Accessories

Bend

For small bend radii in tight installation conditions.
Suitable for Kabuflex S conduits



Type	Cat. no.	75	110	120	125	145	160	175
OD* [in mm]		75	110	120	125	145	160	175
ID [in mm]		63	94	99	107	125	137	149
Length [in m] bend, 45°		0.9	1	1	1.1	1.2	1.2	1.2
Length [in m] bend, 90°		1.5	1.8	19	2	2.1	2.1	2.1
Elbow radius [in mm]		750	900	900	1100	1100	1100	1100
Pck. Qty./Pc(s).		5	5	5	5	5	5	5
Bend, 45°	190.85. ...	..075	..110	..120	..125	..145	..160	..175
Bend, 90°	190.80. ...	..075	..110	..120	..125	..145	..160	..175

* Production-related dimensional tolerances according to EN 60423.

Spacer

For exact installation spaces during the installation of
Kabuflex conduit units



Type	Cat. no.	75	110	120 ¹⁾	160
2-fold	199.42. ...	..075	..110	..120	..160
4-fold	199.44. ...	..075	..110	..120	..160
6-fold	199.46. ...	..075	..110	..120	..160
8-fold	199.48. ...	..075	..110	..120	..160

1) Also suitable for DN 125

Lead-ins



Type	Cat. no.		
DN 110	199.86.110	1-fold	
	199.85.110	4-fold	

Wall collar

For absolutely tight and leak proof Kabuflex
connections



Type	Cat. no.	40	50	63	75	110	120/125	160	175
ID [in mm]		≈ 250	≈ 250	≈ 250	≈ 250	≈ 300	≈ 300	≈ 350	≈ 350
	199.60. ...	..040	..050	..063	..075	..110	..120	..160	..175

All dimensions without tolerances are for reference only.



Pole Foundation Conduits

Furowell

A halogen-free PE multi-layer composite pole foundation conduit (corrugated outside and smooth inside) with enhanced UV stability; non-flame retardant. Available in black.

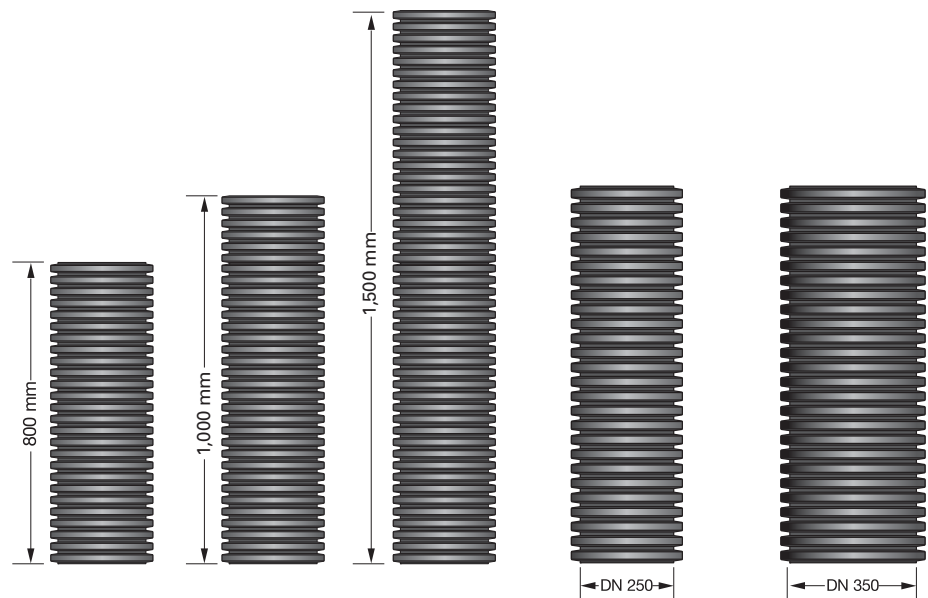
Applications:

Furowell pole foundation conduits facilitate the installation of poles, masts and rods, e.g. for lamp posts, traffic signs, flag poles, etc.



Type	Cat. no.	DN 250			DN 300	DN 350		
OD* [in mm]		293			346	400		
ID [in mm]		253			300	345		
Delivery length [in mm]		800	1000	1500	1000	800	1000	1500
	295..	..10.250	..11.250	..12.250	..11.300	..10.350	..11.350	..12.350
Pallet's content / Pc(s).		16	16	8	12	12	12	6
Blanking plug		DN 250			DN 300	DN 350		
	295..	..70.250			..70.300	..70.350		

All dimensions without tolerances are for reference only.



Furowell – Easy to handle

Use a commercially available socket adapter for clean accurate holes for Kabuflex DN 63.

EC Declaration of Conformity

Manufacturer`s name and address: Fränkische Rohrwerke
Gebr. Kirchner GmbH & Co. KG
Hellinger Str. 1
97486 Königsberg/Bayern

Product: **Cable Conduits for underground installations**

Type designation: **Kabuflex S; Kabuflex R**

The designated product is in conformity with the European Directive:

**2006/95/EC
including amendments**

**„Council Directive of 12 December 2006 on the harmonization of the laws of the
Member States relating to electrical equipment designed for use
within certain voltage limits“.**

Full compliance with the standards listed below proves the conformity of the designated product with the provisions of the above-mentioned EC Directive:

DIN EN 61386-24:1994

Another specifications:
SKZ-Güterichtlinie HR 3.19 07/93

Affixing the CE Marking: 07

Königsberg/Bay., 25.07.08
(Place, Date)


ppa. Bernd Späth
Division Director
Electro-Systems


i.A. Norbert Biener
Product Manager
Electro-Systems

THE COMPANY



A tradition of innovation



As a result of our many years of experience designing and manufacturing pipes and production lines, FRÄNKISCHE develops and manufactures technically superior corrugated pipes, pipe systems and production lines.

At our Königsberg headquarters and other branch office locations, subsidiaries, and affiliates in Europe, Asia and the U.S., almost 1,650 highly motivated employees work on solutions for drainage and electrical systems, building technology, industrial applications and mechanical engineering, and on developing and manufacturing production lines. The pipe

systems are for multiple applications. Some examples of our first-class system solutions include: highly complex drainage systems for use in civil engineering and road construction, a broad range of electric conduit systems for use in civil and mechanical engineering, heating and potable water pipes for use in building technology or cable protection systems and fluid lines for use in the automotive industry.

With more than 100 years of experience FRÄNKISCHE combines know-how and ambition for intelligent future innovations, which makes us the ideal partner for complex and technically challenging tasks.