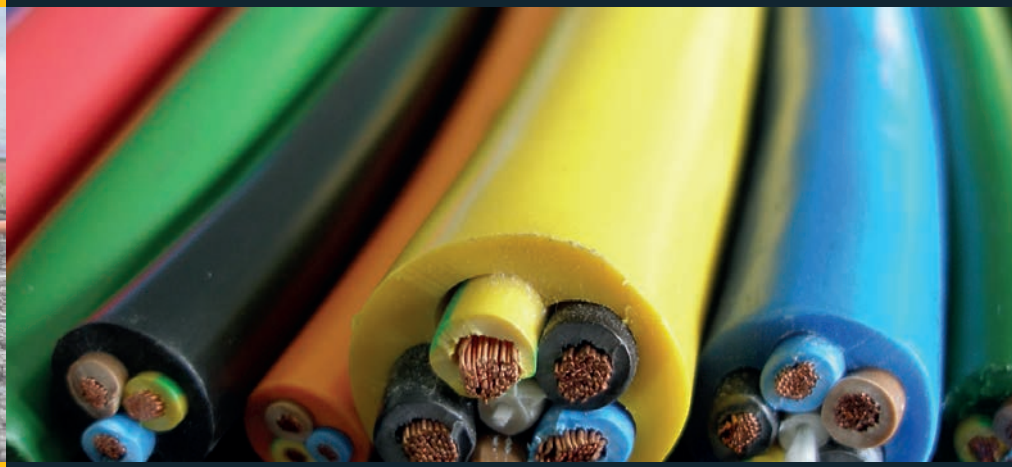
SYSTEMATIC QUALITY

Cables/
Cable crossovers

Catalogue



GIFAS ELECTRIC

06

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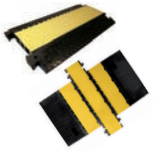

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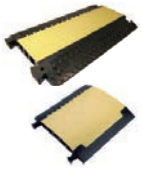

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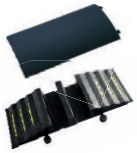
COMPACT Hose bridges



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Introduction

Control and special cables, flexible or pre-fabricated lines for various, predominantly mobile and temporary installations. Designed for standard application in commerce, construction and industry.

Whether indoors or outdoors, we provide custom-made solutions that leave nothing to be desired!

Benefits of our system

- large product range in stock
- individual pre-fabricated cables
- completely pre-fabricated cables in stock
- for every application in industry, construction, the garden, etc.
- cable labelling possible

Our services

- individual consultation
- proven product range
- tailor-made, customized solutions
- manufacturing from small to large quantities
- lifetime availability of spare parts
- technical drawing (if required in 3D)
- competent advice on installation

Special options

Colours Gifaflex (page 4)

When purchasing over 500 m (unless in the standard range) of one size, the following cable colours are available for a small surcharge:

Grey	RAL7001	Blue	RAL5015	Black	RAL9005
Brown	RAL8004	Green	RAL6010	Orange	RAL2003
Red	RAL3000	Yellow	RAL1021		

Other special cable colours on request.

Coulours Euroflex (page 5)

Other colours possible with a minimum quantity of 1'000 m.

Customer printing

Cable types Gifaflex and Euroflex can be labelled according to your requirements (e.g. company name, but no logos).

- Free printing:
  from 500 m (10/16 mm² from 200 m) per order (max. 3 sizes, assorted)
- Connection and extension cable:
  from 30 items per order (max. 3 items, assorted)
- Smaller orders:
  Surcharge of 40 Swiss Francs per order

Packaging

Unless otherwise agreed, the cable lengths will be ready-assembled onto 100 m rings or wound onto a loan cable drum (depending on the size).

Production lengths

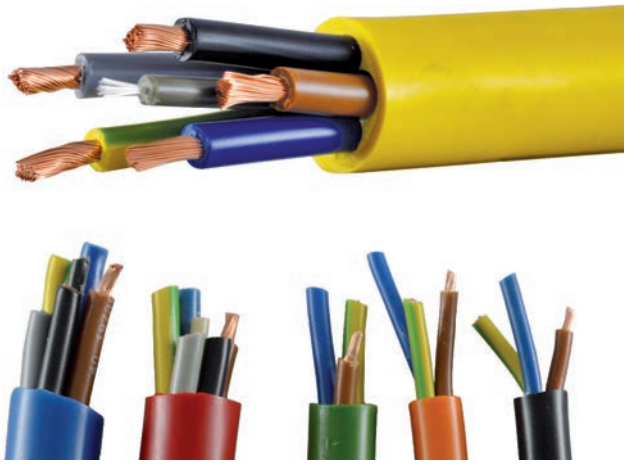
At 500 m and more, +/-10% may be over/under-delivered due to production processes. Delivery in one piece can only be guaranteed on the basis of an additional agreement.

Wire identification

The wire colours have been internationally coordinated since 1 October 2006 (standard HD 308 S2).

HD 308 S2

Gifaflex: The universal, reinforced connection line
Cable type CH-N07V3V3-F



Special features

The Gifaflex cable is a heavy, cold-resistant cable, has excellent tensile strength and elongation properties. It has a very good fire behaviour and low depth of impression. This asistance to the chemical effects of acids, weak alkalis and low alcohols. The Gifaflex cable is resistant to atmospheric influences. Thanks to these properties, it can be used as a standard cable of above-average quality.

Applications

Equipment, machine industry/assembly industry/foodstuff industry/transport (e.g. railways)/mechanical workshops/construction sites/agriculture/communal operations. (Use conforming to VDE 0298, part 3)

Technical data

Operating voltage U_o/U:	450/750 V
Test voltage:	2'000 V – 3'000 V/50 Hz
Temperature range:	–25° C to +70° C, inactive up to –40° C
Minimum bend radius:	10×D (D = cable Ø)
Strand/casing:	Cu-flex (VDE 0295 class 5) Gifaplast/Gifaplast (special mixture)
Casing colour:	bright yellow RAL1021 (standard) or as required

Customer printing

The cable can be printed with your company name (according to your requirements). For further information, see page 3.

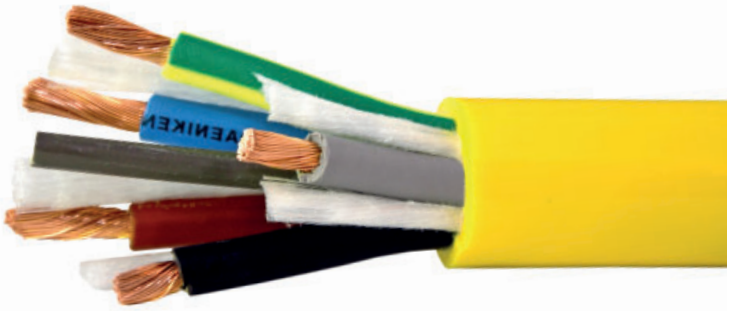
Size No. of poles×mm²	yellow Item no.	orange Item no.	red Item no.	blue Item no.	green Item no.	black Item no.	Strand structure Number×mm	External-Ø approx. mm	Weight kg/100 m	Strand code [1] HD 308 S2
2×1.0	010635	010683	043587	017326	018708	016450	32×0.20	7.3	6.0	bl,br
3×1.0	010636	010684	030278	030279	010712	010742	32×0.20	7.8	7.9	gn/ye,bl,br
5×1.0	010638						32×0.20	9.5	11.5	gn/ye,bl,br,black,gr
2×1.5	010641	014010	015891	026667	021200		30×0.25	8.0	10.0	bl,br
3×1.5	010642	010685	010723	010754	010713	010748	30×0.25	8.6	11.0	gn/ye,bl,br
5×1.5	010644	010687		035881			30×0.25	10.6	14.5	gn/ye,bl,br,black,gr
7×1.5	041453						30×0.25	12.6	19.5	1-6 black, num. gn/ye
3×2.5	010647	010688					50×0.25	10.0	15.0	gn/ye,bl,br
5×2.5	010649	010690	010725	010756	011655	026802	50×0.25	12.3	23.0	gn/ye,bl,br,black,gr
3×4.0	010651						56×0.30	12.1	23.0	gn/ye,bl,br
5×4.0	010653	010692		010757			56×0.30	14.9	38.0	gn/ye,bl,br,black,gr
5×6.0	010656	010694					84×0.30	16.7	51.0	gn/ye,bl,br,black,gr
High-flex. Version										
2×1.0						020872	128×0.1	7.3	6.0	bl,br
3×1.0						034287	128×0.1	7.8	7.9	gn/ye,bl,br
2×1.5						020873	191×0.1	8.0	10.0	bl,br

** Available while stocks last*

[1] See note on page 3

Other dimensions/versions available on request

Euroflex: A very special, high quality connection line (harmonised standard design)
Cable type H07 BQ-F (1mm² = H05)



Special features

The Euroflex cable offers excellent features including high resistance to chemical effects from mineral oils/greases, alcohol-free petrol and kerosine, lakewater/seawater and waste water, microbes and rotting, acids and alkalis. The cable is suitable for contact with food. It is **halogen-free.** Its mechanical load capacity guarantees a long service life. It is also flexible when cold and offers low adhesion. The Euroflex cable also features very good resistance to weather conditions, UV radiation, ozone and oxygen as well as gamma radiation.

Technical data

Operating voltage U_o/U:	1mm²: 300/500 V/from 1.5mm²: 450/750 V
Test voltage:	2'000 V/50 Hz/2'500 V/50 Hz
Temperature range:	–40° C to +85° C
Minimum bend radius:	10×D (D = cable Ø)
Strand/casing:	Cu-flex (HD 383 class 5) EPR rubber/PUR
Casing colours:	bright yellow RAL1021 orange RAL2004

Applications

Chemical industry/equipment, machine industry/assembly industry/foodstuff industry/transport (e.g. railways)/mechanical workshops/construction sites/agriculture/communal operations.
Use: according to VDE 0250, part 818

Customer printing

The cable with dimensions up to 5×16 mm2 can be printed with your company name (according to your requirements). For further information, see page 3.

Size No. of poles×mm²	bright yellow Item no.	orange Item no.	Strand structure Number×mm	External-Ø approx. mm	Weight kg/100 m	Strand code [1] HD 308 S2
3×1.0*	046864		32×0.194	7.7	7.1	gn/ye,bl,br
3×1.5	046866		28×0.253	9.2	10.7	gn/ye,bl,br
5×1.5	046868		28×0.253	11.0	16.2	gn/ye,bl,br,black,gr
3×2.5	046869		48×0.253	10.7	16.1	gn/ye,bl,br
5×2.5	046873		48×0.253	13.3	25.0	gn/ye,bl,br,black,gr
1×4.0[2]	248743		56×0.300	6.0	5.9	
5×4.0	046874		56×0.295	15.4	36.0	gn/ye,bl,br,black,gr
5×6.0	046876		84×0.385	17.8	47.0	gn/ye,bl,br,black,gr
5×10.0	046878		84×0.385	24.0	82.0	gn/ye,bl,br,black,gr
5×16.0	046879		133×0.385	27.4	118.0	gn/ye,bl,br,black,gr
5×25.0[3]	135783		203×0.385	33.3	167.0	gn/ye,bl,br,black,gr
5×35.0[3]	135784		288×0.385	37.5	231.0	gn/ye,bl,br,black,gr
5×50.0[3]	135785*		408×0.385	44.2	321.0	gn/ye,bl,br,black,gr
5×50.0[3]		031645	408×0.385	43.5	341.0	gn/ye,bl,br,black,gr
5×70.0[3]	135786*		342×0.490	50.3	448.0	gn/ye,bl,br,black,gr
5×70.0[3]		036909	342×0.490	48.0	460.0	gn/ye,bl,br,black,gr
5×95.0		031952	475×0.490	54.0	595.0	gn/ye,bl,br,black,gr

** Available while stocks last*
[1] See note on page 3
[2] fine copper conductor tin-plated / insulation EPR / outer sheath PUR
[3] Based on HD 22.12

Proflex: Special cable for extremely low ambient temperatures
Cable type H07 RN-F (1mm² = H05)

Special features

The outer casing of the Proflex 07 cable consists of mechanically extremely high loading capacity polychloroprene.
The structure of the silicone-free cable ensures a high degree of flexibility, excellent resistance to weather conditions, ozone, oil and alkalis, and a high thermal loading capacity.
The cable can be used underwater permanently. Also permitted for permanent installation up to 1'000 V.

Technical data

Operating voltage U_o/U:	450 V/750 V
Test voltage:	2'500 V/50 Hz
Temperature range:	
– moves:	–30° C to +85° C
– inactive:	–50° C to +85° C
– short-term:	up to +200° C
Minimum bend radius:	4×D (D = cable Ø)
Strand/casing:	Cu-flex (VDE 0295 class 5) polychloroprene/polychloroprene (VDE 0207)
Casing colour:	yellow

Applications

In demanding industrial environments/construction sites/tunnel construction/trimming plants/EX area (VDE 0165).
Use: to VDE 0282-4 and VDE 0282-810 (construction site usage)

Customer printing

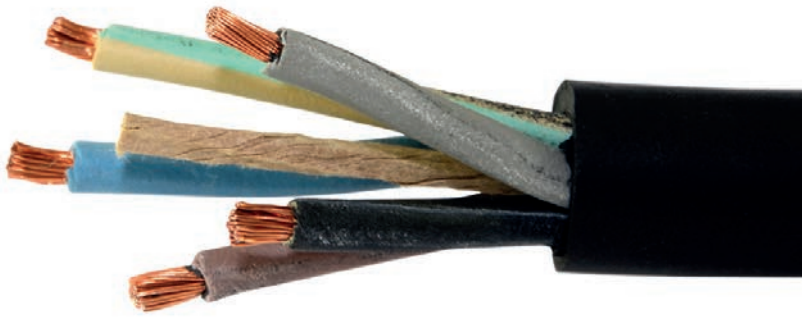
The cable can be printed with your company name (according to your requirements).

Size No. of poles×mm²	Item no.	Strand structure Number×mm	External-Ø approx. mm	Weight kg/100 m	Strand code 1) HD 308 S2
3×1.5	021667	30×0.25	9.9	15.0	gn/ye,bl,br
5×1.5	047942	30×0.25	11.9	23.0	gn/ye,bl,br,black,gr
2×2.5*	047934	50×0.25	10.8	17.5	bl,br
3×2.5	047936	50×0.25	11.6	21.5	gn/ye,bl,br
5×2.5	047943	50×0.25	14.5	32.5	gn/ye,bl,br,black,gr
5×4.0	047944	50×0.30	16.6	47.5	gn/ye,bl,br,black,gr
5×6.0	044594	84×0.30	18.3	63.0	gn/ye,bl,br,black,gr
5×10.0	044591	80×0.40	24.1	84.0	gn/ye,bl,br,black,gr
5×16.0	044595	128×0.40	28.4	153.0	gn/ye,bl,br,black,gr

** Available while stocks last*
[1] See note on page 3

Other dimensions/versions available on request

Titanex: Versatile, universal industry cable
Cable type H07 RN-F (1 mm² = H05)



Special features
The design of the silicone-free cable ensures high flexibility and high resistance to oils and greases, even in an alkaline or acid environment.

Technical data

Operating voltage U_o/U:	450V/750V
Test voltage:	2'500V/50Hz
Temperature range:	
– moves:	–35°C bis +90°C
– inactive:	–60°C bis +90°C
– short-term:	up to +200°C
Minimum bend radius:	3-4×D (D = Cable Ø)
Strand/casing:	Cu-flex (VDE 0295 Kl. 5) rubber insulation type T14/Rubber outer sheath type EM2 by HD22, (crosslinked elastomer), (VDE 0282)
Casing colour:	black

Applications
In the area of very extreme mechanical and thermal loads. Agriculture/building sites/trade/fire hazard establishments/sports facilities/event technology/stage and musical performance/temporary buildings/barracks/cooling installations/photovoltaics/steel industry/swimming pool technology/robotics

Size No. of poles×mm²	Item no.	Strand structure Number×mm	External-Ø approx. mm	Weight kg/100m	Strand code 1) HD 308 S2
3×1.0	036790	32×0.20	10.7	11.7	gn/ye, bl, br
2×1.5	036791	30×0.25	11.0	11.1	bl, br
3×1.5	052562	30×0.25	11.8	13.4	gn/ye, bl, br
5×1.5	028362	30×0.25	12.0	23.8	gn/ye, bl, br, black, gr
3×2.5	019470	50×0.25	14.0	19.5	gn/ye, bl, br
5×2.5	019471	50×0.25	14.5	29.7	gn/ye, bl, br, black, gr
5×4.0	018735	50×0.30	19.9	45.3	gn/ye, bl, br, black, gr
5×6.0	054822	84×0.30	22.2	55.7	gn/ye, bl, br, black, gr
5×10.0	028364	80×0.40	24.0	100.1	gn/ye, bl, br, black, gr
5×16.0	028363	128×0.40	33.3	143.0	gn/ye, bl, br, black, gr
5×25.0	030963	205×0.40	32.4	209.6	gn/ye, bl, br, black, gr
5×35.0	030964	290×0.40	40.0	270.0	gn/ye, bl, br, black, gr
5×50.0	036797	410×0.40	53.0	383.5	gn/ye, bl, br, black, gr

1) See note on page 3
2) For specific applications only: yellow-and-green, blue, brown, black

Other dimensions/versions available on request

Equipment connection leads

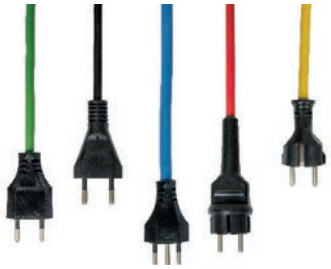
Special features

- all plugs vulcanized directly onto the cable
- ends cut off to leave a smooth finish; on request and against surcharge dismantled and furnished with conductor sleeves.

Customer printing

The connection leads for cable types Gifaflex, Euroflex and Proflex can be printed with your company name (according to your specifications).

IP20



IP55

IP20, Cable Gifaflex (For technical specifications, see page 4)

Plug	Size No. of poles×mm²	Length	yellow Item no.	red Item no.	orange Item no.	green Item no.	blue Item no.	black Item no.	highly flexible. black Item no.	Protection category
CH type 11	2×1.0	3 m	010815	043475	012441	047960	047958	047964		IP20
		5 m	010816	047961	010825	018970	017352	011964	020875	IP20
		10 m	010817							IP20
		15 m	013389							IP20
		20 m	106828							IP20
		25 m	029258							IP20
	2×1.5	3 m	010840	037207	037208	037209	037210			IP20
		5 m	010841	037211	037212	021298	037213		020876	IP20
		10 m	025984							IP20
CH type 12	3×1.0	3 m	010828	047978	012442	018969	047981	047983		IP20
		5 m	010829	047979	012443	018966	047982	029725	047985	IP20
		10 m	010830							IP20
		30 m	053822							IP20
	3×1.5	3 m	010843	037214	037215	037216	037217	010849		IP20
		5 m	010844	010850	019605	021297	022330	037218		IP20
		10 m	010845							IP20
		25 m	059891							IP20
		30 m	018361							IP20
		35 m	044189							IP20
		50 m	056821							IP20
CH type 23	3×1.5	5 m	043041							IP20
	3×1.5	10 m	043043							IP20
D contour	2×1.0	3 m	050290							IP20
plug*		5 m	050291							IP20
		10 m	050292							IP20
	2×1.5	3 m	050293							IP20
		5 m	050294							IP20
		10 m	050295							IP20
D safety	3×1.5	3 m	054089							IP20
contact plug*		5 m	050296							IP20
		10 m	050297							IP20

IP55, Cable Gifaflex (For technical specifications, see page 4)

Plug	Size No. of poles×mm²	Length	yellow Item no.	red Item no.	orange Item no.	green Item no.	blue Item no.	black Item no.	highly flexible. black Item no.	Protection category
CH type 11	2×1.0	3 m	242044							IP55
	2×1.0	5 m	242045							IP55
	2×1.0	10 m	242054							IP55
	2×1.5	3 m	242047							IP55
	2×1.5	5 m	242046							IP55
CH type 13	3×1.0	5 m	242049							IP55
	3×1.0	10 m	242051							IP55
	3×1.5	3 m	242052							IP55
	3×1.5	5 m	242053							IP55
	3×1.5	10 m	242050							IP55
	3×1.5	25 m	242058							IP55
	3×1.5	30 m	242055							IP55
	3×1.5	50 m	242056							IP55

Diverse connection leads are normally available directly from stock.
Any cable colours and sizes not given here are available on request.
For further information, see page 3.

Extensions

Special features

– all extensions given are in the standard yellow colour.
– the versions are given in the table.

Customer printing

The extensions for cable types Gifaflex and Proflex can be printed with your company name (according to your specifications).

Cable Gifaflex (For technical specifications, see page 4)

Plug	Version Plug/Coupling	Size No. of poles×mm²	5 m	10 m	20 m
IP20					
T12/T13 230V	Vulcanized	3×1.0	010869		
T12/T13 230V	Vulcanized	3×1.5	010871	010872	011855
IP44					
CEE 16/3 230V	Plastic mounted	3×1.5	050323	050328	050329
CEE 16/5 400V	Plastic mounted	5×2.5	050330	050331	050332
CEE 32/5 400V	Plastic mounted	5×4.0	082907	066842	081054
CEE 32/5 400V	Plastic mounted	5×6.0	067326	066421	066521
CEE 16/5 400V	Solid rubber mounted	5×2.5	026777	026778	026779
CEE 32/5 400V	Solid rubber mounted	5×4.0	037676	037677	037678
CEE 32/5 400V	Solid rubber mounted	5×6.0	036078	064513	056850
IP55					
T13/T13 230V	Plastic mounted	3×1.5	228481	228490	228494
T23/T23 230V	Plastic mounted	3×1.5	228482	228491	228495
T15/T15 400V	Plastic mounted	5×1.5	228462	228466	228468
T25/T25 400V	Plastic mounted	5×1.5	227960	227961	228026

Diverse extensions are normally available directly from stock.
Other cable colours and sizes are available on request.
We can also supply special designs (transition cable, special plug connectors).
For further information, see page 3.

Cable Proflex (For technical specifications, see page 6)

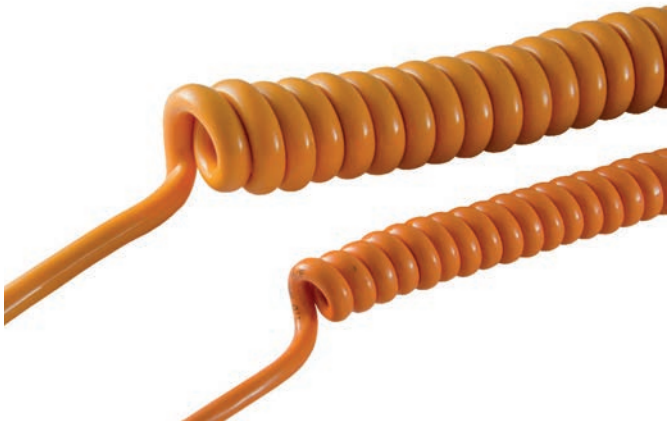
Plug/ Coupling	Version Plug/Coupling	Size No. of poles×mm²	10 m	20 m
IP44				
CEE 16/3 230V	Plastic mounted	3×1.5	050274	050275
CEE 16/5 400V	Plastic mounted	5×2.5	050279	050281
CEE 32/5 400V	Plastic mounted	5×4.0	087029	081368
CEE 32/5 400V	Plastic mounted	5×6.0	050284	050285
CEE 16/5 400V	Solid rubber mounted	5×2.5	050262	050264
CEE 32/5 400V	Solid rubber mounted	5×4.0	037679	037680
CEE 32/5 400V	Solid rubber mounted	5×6.0	050267	050268
IP54				
Safety contact plug 230V	Solid rubber mounted	3×1.5	050256	050257
IP67				
CEE 63/5 400V	Plastic mounted	5×10.0	078445	045048
CEE 63/5 400V	Plastic mounted	5×16.0	050288	050289

Distributor boxes three-way coupling
(coupling part = small distributor box with 3×built-in sockets)

Plug/ Coupling	Version Plug/Coupling	Size No. of poles×mm²	5 m	10 m	20 m
IP55					
T13/3×T13	Plastic mounted	3×1.5	228506	228521	228527
T23/3×T23	Plastic mounted	3×1.5	228507	228522	228528
T15/3×T13	Plastic mounted	5×1.5	228508	228523	228529
T25/3×T23	Plastic mounted	5×1.5	228509	228524	228530

Other dimensions/versions available on request

Spiral cable



Technical data

Operating voltage U_o/U:	300/500 V to 1.0 mm², 450/750 V from 1.5 mm²
Test voltage:	3'000 V
Temperature range:	–30° C to +80° C
Strand/casing:	PVC/PUR
Casing colour:	orange

Special features

Long-lasting retractive force (even in daily use in tough conditions) characterise these spiral cables. High impact toughness, resistance to acids and alkalis, UV and weather-resistant are other features.

Applications

For robots/drilling machines(screwdrivers and other manual equipment)/high performance machines/hoisting platforms/Lights

Size No. of poles×mm²	Item no.	Strand structure Number× mm	Exter-nal-Ø approx. mm	Turn-ing length mm	Use-able length mm	free ends mm
3×1.0	010790	32×0.2	7.2	800	3'200	300
3×1.0	010791	32×0.2	7.2	1'200	4'800	300
5×1.0	012766	32×0.2	9.0	800	3'200	200
3×1.5	010792*	30×0.25	8.7	800	3'200	300
3×1.5	010793	30×0.25	8.7	1'200	4'800	300
4×1.5	010767	30×0.25	9.5	800	3'200	200
5×1.5	015036	30×0.25	10.3	500	2'000	200
5×1.5	010795	30×0.25	10.3	800	3'200	200
5×1.5	011925	30×0.25	10.3	1'200	4'800	200
7×1.5	010796	30×0.25	12.5	700	2'800	200
4×2.5	010797	50×0.25	10.8	800	3'200	200

** Casing: 05BQ-F*

Other dimensions/versions available on request

Spiral ground cable

Technical data

Operating voltage U_o/U:	450/750 V
Test voltage:	2'500 V
Temperature range:	–5° C to +70° C
Tensile strength:	min. 12.5N/mm²
Elongation at tear:	min. 150%
Casing colour:	yellow/green

Special features

This very special spiral ground cable has been developed for equipotential bonding (ground connection). A fine-wire grounding strand (yellow/green) is fed loose into a transparent polyurethane hose. Meeting maximum safety requirements and readiness for use under extreme conditions are the specifications for this product.

Applications

Regulation/measurement/control and lab technology/chemical industry/medicine and electrical engineering/automobile industry/equipment construction/pneumatics and hydraulics/food industry

Size No. of poles×mm²	Item no.	Strand structure Number×mm	Exter-nal-Ø approx. mm	Turning length mm	Useable length mm
1×6.0	012517	52×0.38	13.0	500	5'000
1×6.0	031341	52×0.38	13.0	1'000	10'000

Ready-made spiral ground cable

Special features

For frequently used applications we have produced various standard ready-made options. The grounding tongs and the cable lug used have been carefully selected. The connection points are cleanly and permanently sealed using a shrinkdown hose.

Component fitting start/end	Item no.	Size No. of poles×mm²	Turning length mm	Useable length mm
Grounding tongs/grounding tongs	021034	1×6.0	500	5'000
Grounding tongs/grounding tongs	032179	1×6.0	1'000	10'000
Ground chuck/cable lug ø 8mm	016180	1×6.0	500	5'000
Ground chuck/cable lug ø 8mm	032180	1×6.0	1'000	10'000

Reeling cable

Technical datagute ch

Cable:	Conductor of tin-plated copper wires, to VDE 0295, cl. 5
Insulation:	rubber compound
Strand identification:	from 6 strands: black with white numbers
Temperature range:	mobile: –25° C to +80° C
Bend radius:	6.25×D (D = cable Ø)
Operating voltage:	U_o / U 600 / 1'000 V
Test voltage:	4'000 V
Insulation resistance:	> 20 MOhm / km
Carrying force:	up to 55 kg (dead weight must be observed)
Casing:	rubber compound colour black

Special features

Optimum-sized device made from natural fibres with high resistance to tearing forms the strain relief and at the same time the neutral core element forms the centre of the cable. With multi-layer cord add-on units, textile dividing layers prevent undesirable adhesion.

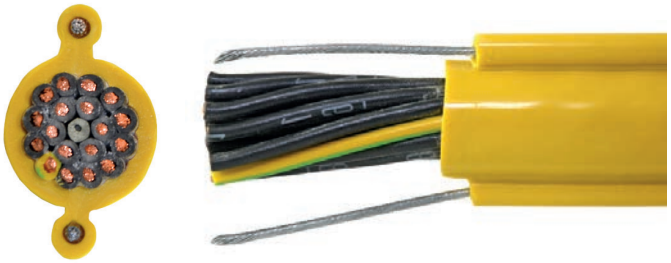
- flame-retardant to IEC 60332-1-2
- oil-resistant to EN 60811-404
- high chemical, thermal and mechanical strength
- UV resistance

Applications

- for use in lifting gear, transport and conveyor systems
- in wet and dry indoor areas, outdoors as well as max. 2 weeks continuously in process water.

Size No. of poles×mm²	Item no.	Strand structure Number×mm	External-Ø approx. mm	Weight kg / 100m
18×1.5	204102	30×0.25	23.9	77.0

Gifaplast-2TY



Technical data

Cable:	strands made from fine copper wire, bare, to VDE 0295, cl. 6
Insulation:	special PVC, T12/Y12, to VDE 0207, part 4
Strand identification:	single colour, consecutively numbered by VDE 0293, with protective conductor
Temperature range:	moves: –30° C to + 70° C inactive: –40° C to + 70° C
Bend radius:	with changing bends 12×D (D = cable Ø)
Operating voltage U_o / U:	300 / 500 V
Test voltage:	3'000 V
Insulation resistance:	> 20 MOhm / km
Carrying force:	up to 135 kg absolute non-critical, critical point is at 190 kg (dead weight must be observed)
Casing:	PVC, TM2, YM2, to VDE 0207, part 5, colour: yellow

Special features

Gifaplast-2TY is a control lead with two steel cords embedded into the outer casing at the side. The cable therefore has a considerably higher load capacity and is largely free of axial torsion. The tractive forces produced are absorbed by two torsion-free steel cords, connected to the outer coating, parallel to the axis. Gifaplast-2TY has a robust, cryogenic and weather-resistant outer casing.

Applications

In crane and delivery systems on control push-buttons / in steel works / as self-contained shaft cable / in high-rack systems

Size No. of poles×mm²	Item no.	Strand structure Number×mm	External-Ø approx. mm	Weight kg / 100m
18×1.0	041756	57×0.15	17.0 / 32.0	52.8

Other dimensions / versions available on request

Spiral cable STY-PVC / PUR

Technical data

Cable:	strand made from fine copper wire, bare, to VDE 0295, cl. 5
Insulation:	
– wires: PVC, to VDE 0207, part 4	
– casing: PUR	
Strand identification:	wires are blue and numbered consecutively
Assembly:	concentric stranding
Operating voltage:	max. 500 V,
Insulation resistance:	> 100 MOhm / km
Test voltage:	wire / wire 3'000 V, wire / shield 2'500 V
Temperature range:	
– moves:	–5° C to +70° C
– inactive:	up to –30° C

Special features

The PVC / PUR spiral cable is ideal for special applications in the control, measurement and regulation technology in intrinsically safe systems. The concentric stranding with a static protection shield prevents faults in the transmission area. The poly wool banding guarantees optimum, 100 % protective shield at low and moderate frequencies and filters external electrical faults.

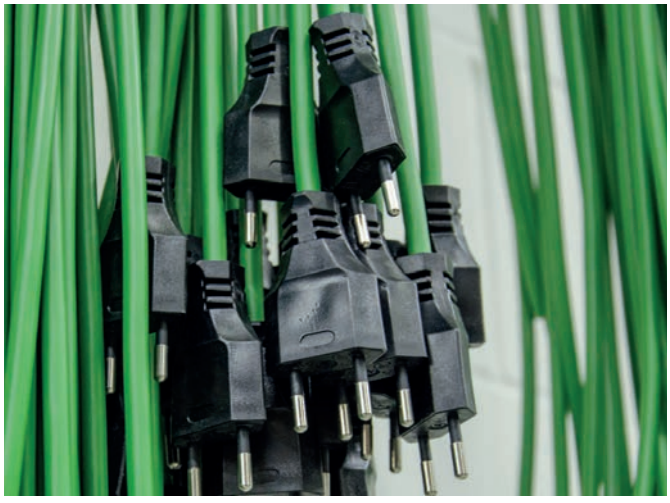
Applications

In damp areas (no external applications) / heating and air conditioning technology / measurement and control leads in machine tool engineering

Size No. of poles × mm²	Item no.	Turning length mm	Freie Enden mm	External-Ø mm	Useable length mm
2×0.75	056377	600	200	6.7	1'800
2×0.75	044836	1'200	500	6.7	3'600

Bulk cable at our camp

Our stock of connection and extension cable



Cable available in different colors

Hospital equipment cord set

Technical data

Operating voltage:	450 / 750 V
Test voltage:	2'500 V / 50 Hz
Temperature range:	–40° C to +90° C
Minimum bend radius:	10×D (D = cable diameter)
External diameter:	10.5 mm
Strand / casing:	EPR rubber / polyether / PUR, black RAL 9005
T12 plug:	vulcanised onto the cable
Equipment plug T113:	vulcanised onto the cable
Branch wires:	vulcanised onto the cable
MC angle plug:	type POAG-KBT 6 DIN, hand-assembled

Category 3+4

for electrical installations in rooms used for medical purposes (SN SEV 1'000-2'000, chapter 7.10)

Product features

- vulcanised connectors on both sides (Schuko / T113)
- all-round vulcanised branch lines
- resistant double polyurethane casing (polyether / PUR)
- two functions in one cable
- concentrically fitted potential wire
- no concealed slots / notches
- exceptionally flexible round cable
- maximum flexibility grounding wire 4 mm²
- very short cleaning time
- 100% free of silicone and latex

Description

The GIFAS hospital equipment cables have been specially designed for hospitals with operating rooms and intensive care stations. It connects electrical equipment to the power source and also offers equipotential bonding with the grounding strand carried. With the concentrically fitted strand, the PUR cable remains exceptionally flexible.

Item no.	Designation
133036	GIFAS hospital equipment cord set, black, 2.5 m 3×1.5 mm² + 4 mm², POAG, plug T12, connector T113
133037	GIFAS hospital equipment cord set, black, 4.5 m 3×1.5 mm² + 4 mm², POAG, plug T12, connector T113
133038	GIFAS hospital equipment cord set, black, 2.7 m 3×1.5 mm² + 4 mm², POAG, plug T12, for direct connection
133039	GIFAS hospital equipment cord set, black, 4.7 m 3×1.5 mm² + 4 mm², POAG, plug T12, for direct connection
195544	GIFAS hospital equipment cord set , black, 4.5 m 3×1.5 mm² + 4 mm², POAG, plug T23, connector C19
195545	GIFAS hospital equipment cord set, black, 4.7 m 3×1.5mm² + 4 mm², POAG, plug T23, for direct connection
860476	GIFAS hospital equipment cord set, PUR 3×1.5mm², black, L = 4.5 m with PE 4 mm² plug type Schuko, angled, equipment plug type 113

Hospital socket strip aluminium casing

Technical data

Colour:	silver-anodised
Dimensions with 4 plugs:	320×80×50 mm (W×H×D)
Dimensions with 6 plugs:	450×80×50 mm (W×H×D)

Product properties

- aluminium casing with fixing plates
- corrosion-resistant
- UV-resistant and halogen-free
- resistant to ageing and temperature
- barely flammable
- protection category IP20

Description

The hospital plug sockets have been specially designed for hospitals with operating rooms and intensive care stations. In the operating rooms, various medical, electrical devices can be supplied via multi-way sockets. We offer two different casings to choose from, an aluminium and a hard rubber casing type 1400. These are fitted with T13 sockets and with ground connection sockets. A GIFAS hospital equipment cable is used as the power supply lead (see description, left).

Item no.	Designation
022101	Hospital socket strip aluminium with 2 m hospital equipment cable, 4 sockets FLF T13, 4 POAG grounding connection sockets
022102	Hospital socket strip aluminium with 2 m hospital equipment cable, 6 sockets FLF T13, 6 POAG grounding connection sockets
108023	Hospital socket strip aluminium with 4 m hospital equipment cable, 4 sockets FLF T13, 4 POAG grounding connection sockets
137437	Hospital socket strip aluminium with 4 m hospital equipment cable, 6 sockets FLF T13, 6 POAG grounding connection sockets

Hospital socket strip hard rubber casing

Technical data

Colour: black / grey
Dimensions: 290×78×66 mm (W×H×D)

Product properties

- casing fully safety insulated
- impact-proof
- UV-resistant and halogen-freer
- resistant to ageing and temperature
- resistant to oil and acid
- good chemical resistance
- barely flammable
- Protection category IP20

Description

The hospital plug sockets have been specially designed for acute hospitals with operating rooms and intensive care stations. In the operating rooms, various medical, electrical devices can be supplied via multi-way sockets. We offer two different casings to choose from, an aluminium and a hard rubber casing type 1400. These are fitted with T13 IP55 sockets and with ground connection sockets. A GIFAS hospital equipment cable is used as the power supply lead (see description, page 13).

Item no.	Designation
246970	Hospital socket strip hard rubber type 1400 black with 2 m hospital equipment cable, 4 sockets T13, 4 POAG grounding connection sockets
246971	Hospital socket strip hard rubber type 1400 black with 4 m hospital equipment cable, 4 sockets T13, 4 POAG grounding connection sockets
246969	Hospital socket strip hard rubber type 1400 grey with 2 m hospital equipment cable, 4 sockets T13, 4 POAG grounding connection sockets
244936	Hospital socket strip hard rubber type 1400 grey with 4m hospital equipment cable, 4 sockets T13, 4 POAG grounding connection sockets

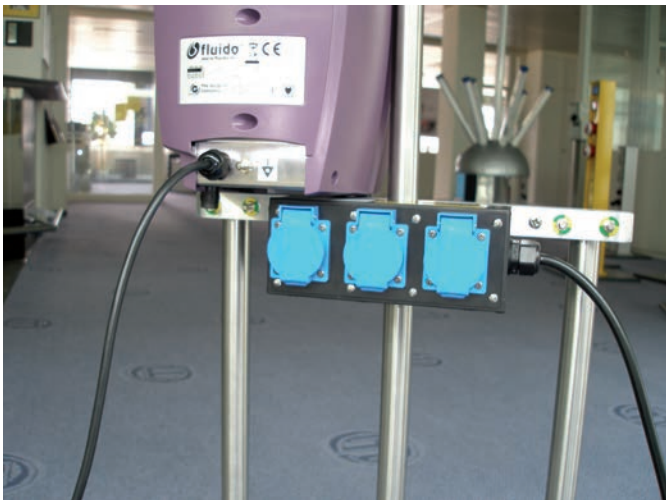
Special solutions

Hospital bar with aluminium bracket

Item no.	Designation
246972	Hospital socket strip hard rubber type 1400 black with 4 m hospital equipment cable, 4 sockets T13, 4 POAG grounding connection sockets + aluminium adapter

Potential distributor

Item no.	Designation
072443	Potential distributor 4×connector, 0.5 m angle-POAG



Power strip for hospital equipment

Other versions available on request

Cable crossover SMART
for cable max. Ø 30 mm

Cable crossover MICRO
for cable with max. Ø 30 mm

General

For many years, has a range of GIFAS cable bridges in the offer. This range was in this period expanded and improved to such new needs of the buyer's marked needs. Today, cable bridges meet the highest standards and have become accepted as the standard for big gatherings and events. Other applications include installations in industrial applications, and mobile sectors, construction companies and emergency services.

Highest quality

All GIFAS cable bridges are made of polyurethane in the fire protection class B2 (according to DIN 4102) and thus oil, acids, and gasoline resistant. The operating range is –40° C to +70° C. The Shore hardness is 88 ± 4A. GIFAS cable bridges in accordance with EN 61537:2007; (IEC 61537:2006) in accordance with the provisions of Directive 73/23/EEC (Low Voltage Equipment).

Customer printing

The cable bridges from 30 pcs. be printed with your company name/logo (as per your instructions).

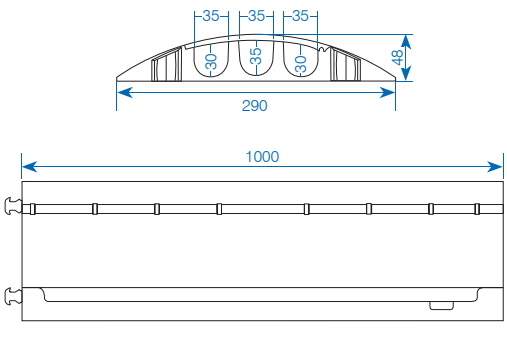
Technical data

Material lower section:	polyurethane, black
Material lid black:	polyurethane, yellow
max. load:	app. 2'000 kg / 400 cm²
Length:	1'000 mm
Width:	290 mm
Height:	48 mm
Channels:	3 channels
Weight:	5 kg

Special features

The smallest of the big. Easily and universally applicable. The cable bridge SMART fulfils all expectations of a professional cable protection and extends the range GIFAS a compact, very lightweight (only 5 kg), but passable cable bridge in the familiar black/yellow design.

Item no.	Designation
032295	Cable crossover SMART 3 channels, 290×48×1'000 mm (W×H×D)
109667	End ramp with groove
109668	End ramp with plug



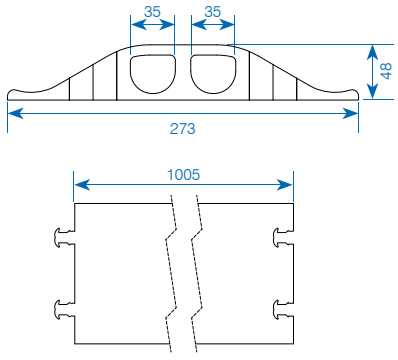
Technical data

Material lower section:	polyurethane, black
Material lid black:	polyurethane, yellow
max. load:	ca. 2'000 kg / 400 cm²
Length:	1'005 mm
Width:	273 mm
Height:	48 mm
Channels:	2 channels (35×30 mm)
Weight:	5.5 kg

Special features

- non-slip and step-resistant 3D LaserGrip® surface
- ergonomic design for even better accessibility by vehicle and by foot
- patented self-cleaning hinge and convenient locking system
- made of extremely robust and shatterproof TPU

Item no.	Designation
207953	Cable crossover type MICRO 2-channel 273×48×1'005 mm (w×h×l)



Cable crossover MIDI
for cable max. Ø 34 mm

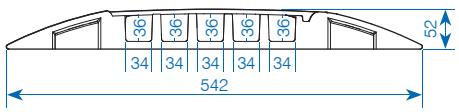
Technical data

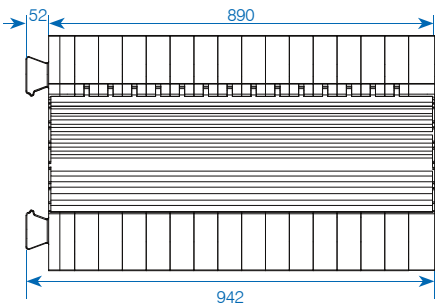
Material lower section:	polyurethane, black
Material lid black:	polyurethane, yellow
max. load:	app. 2'000 kg / 400 cm²
Length:	890 mm
Width:	542 mm
Height:	52 mm
Channels:	5 channels
Weight:	12 kg

Special features

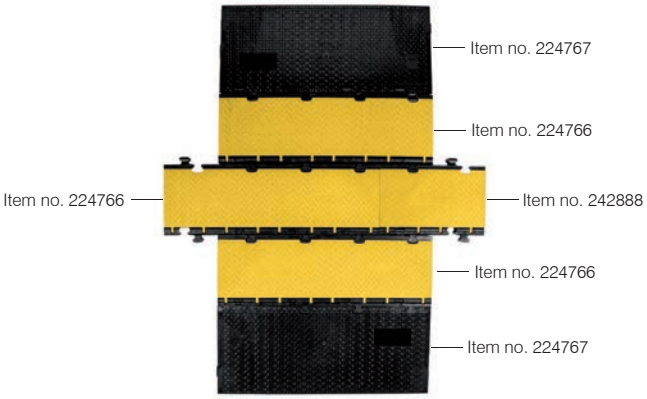
The MIDI cable bridge was designed as a solution to the cable bridge between applications and the type COMPACT STANDARD. 5 channels, a lower height and lighter weight molded connectors, and features of this cable bridge.

Item no.	Designation
016031	Cable crossover MIDI 5 channels, 542×52×890 mm (W×H×D)
020840	Curve 45° for MIDI (incl. 1 pair connecting pin)
020841	End ramp for MIDI





Cable crossover DEFENDER 3 2D
modular, wheelchair accessible



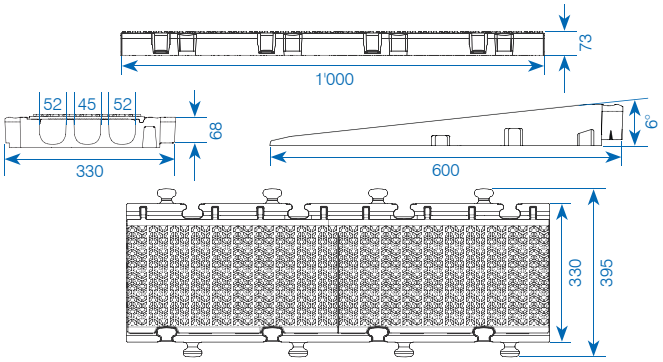
Technical data

Material lower section:	polyurethane, black
Material lid black:	polyurethane, yellow
max. load:	approx. 5'000 kg / 750 cm²
Dimensions (l×w×h):	
– Item no. 224766:	1'000×330×73 mm
– Item no. 242888:	500×330×73 mm
– Item no. 224767:	1'000×600×71 mm
Channels:	3 Channels
Cuct height (H×B):	2x: 52×49 mm / 1x: 45×50 mm
Weight:	
– Item no. 224766:	13.5 kg
– Item no. 242888:	6.75 kg
– Item no. 224767:	15.9 kg

Special features

- patented self-cleaning hinges
- fire protection class E according to DIN EN 13501-1
- very stable, tear-resistant and 100% recyclable plastic
- resistant to oil, petrol and short-term contact with solvents
- hardness range 88 Shore-A ± 4
- high-strength all-round cable crossover with 3D laser grip anti-slip surface of black, recycled polyurethane
- yellow recyclable polyurethane cover with high warning effect
- simple, multi-directional modular design with unlimited width and length expandability

Item no.	Designation
224766	Cable crossover Defender 3 2D, 3 channels modular system, middle part, 1'000×330×73 mm
242888	Cable crossover Defender 3 2D, 3 channels modular system, middle part, 500×330×73 mm
224767	Ramp for cable crossover Defender 3 2D modular system, 1'000×600×71 mm



Cable crossover STANDARD

for cable max. Ø 49 mm

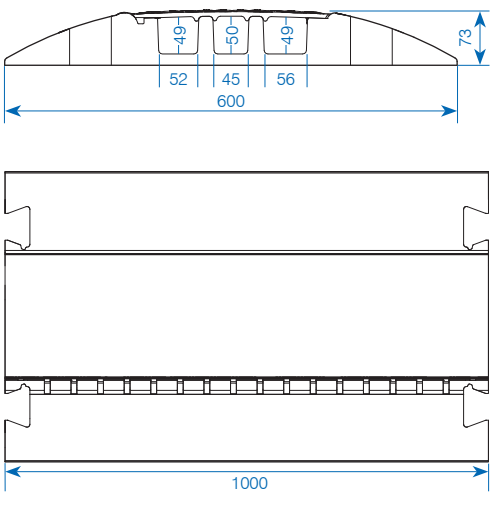
Technical data

Material lower section:	polyurethane, black
Material lid black:	polyurethane, yellow
max. load:	app. 5'000 kg / 400 cm²
Length:	1'000 mm
Width:	600 mm
Height:	73 mm
Channels:	3 channels
Weight:	22 kg

Special features

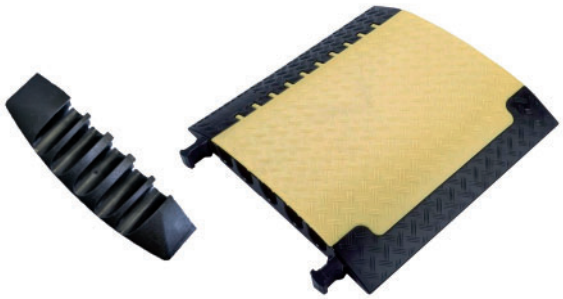
The cable bridge STANDARD, made of black polyurethane with textured anti-slip surface and a striking yellow polyethylene cover combines three cable channels. The cable bridge can connect to each other by means of pins available separately. Each of the cable bridge is already supplied with a pair of connecting pins mounted. The lid with a patented hinge will only be open at the cable entry. The integrated zipper technology combines improved protection against dirt and / or tearing as opposed to conventional systems Velcro. A complete range of accessories extends the type STANDARD in a flexible system for protection of expensive cables and multi core.

Item no.	Designation
059553	Cable crossover STANDARD, 3 channels, 600×73×1'000 mm (W×H×D)
059554	End ramp for STANDARD
018359	Curve 45° for STANDARD (incl. 1 pair connecting pin)
059556	Connecting pin for STANDARD



Cable crossover MAXI

for cable max. Ø 62 mm



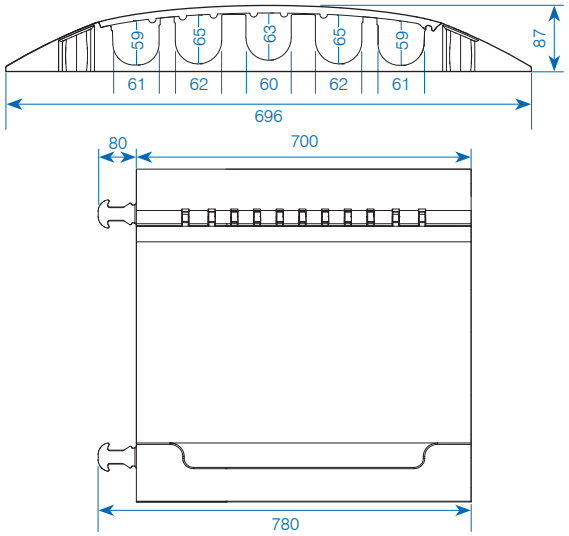
Technical data

Material lower section:	polyurethane, black
Material lid black:	polyurethane, yellow
max. load:	app. 5'000 kg / 400 cm²
Length:	700 mm
Width:	696 mm
Height:	87 mm
Channels:	5 channels
Weight:	21.4 kg

Special features

From suggestions from industry and large companies hire the flagship series of cable bridges was developed. 5 oversized cable channels, two of which are suitable for C-types of fire hose (Ø 62 mm). Power cables also find an optimal protection.

Item no.	Designation
023212	Cable crossover MAXI, 5 channels, 696×87×700 mm (W×H×D)
023213	End ramp for MAXI



Cable crossover COMPACT

for cable max. Ø 28 mm

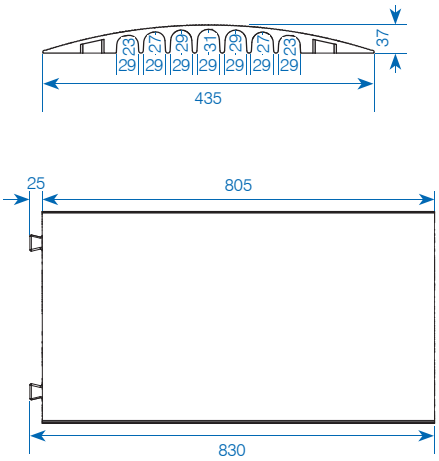
Technical data

Material:	polyurethane, black
Length:	805 mm
Width:	435 mm
Height:	37 mm
Channels:	7 channels
Weight:	3.6 kg

Special features

The Cable COMPACT is the lower cost alternative to the STANDARD and MIDI version. In the ground shaped rows of knobs allow a variety of cables under the cable bridge and ensure to carry the weight of crossing pedestrians. It is not suitable for driving over with cars.

Item no.	Designation
019628	Cable crossover COMPACT, 7 channels, 435×37×805 mm (W×H×D)



Hose bridges

for 2B = 75 mm
for 2C = 52 mm

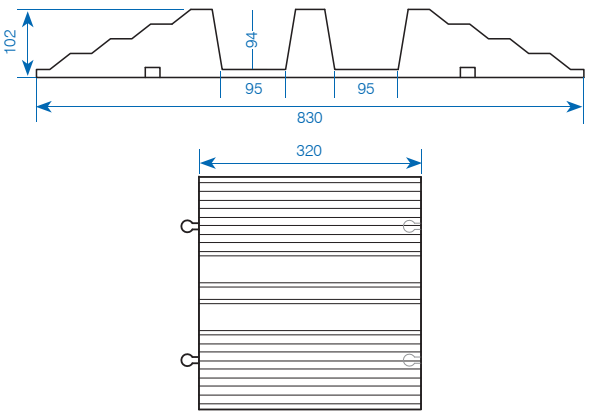
Technical data

Material:	solid rubber, black
Length:	320 mm
Width:	830 mm
Height:	102 mm
Channels:	2 channels
Weight:	15 kg

Special features

The hose bridge made of solid rubber is slip resistant and provides a 2-channel system for the recording of two B-or C-2 tubes. The ramp levels are marked in yellow. The laterally intermeshing connection webs are also used as carrying handles. By connecting the individual segments of any extension of the track width is possible, so that they can also be accessed by truck. The high load capacity is designated and approved up to 40 t load.

Item no.	Designation
203954	Hose bridge solid rubber, 2 channels, 830×320×102 mm (W×H×D)



Customer print

Cable crossover

Extension cable GIFAFLEX

Cable crossover SMART

Spiral cable

Stress test with Piranha

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