

Safely to your destination

Safely



to your
destination

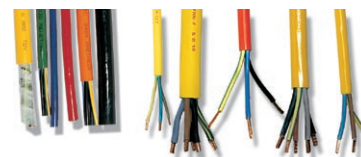
Your wish is our command

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Special notes

Special options for cables

Colours GIFAFLEX (acc. to page 3)

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.

EUROFLEX (acc. to page 4)

Other colours possible with a minimum quantity of 1000 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 (10/16mm² from 200m) 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 100m rings or wound onto a loan cable drum (depending on the size).

Production lengths

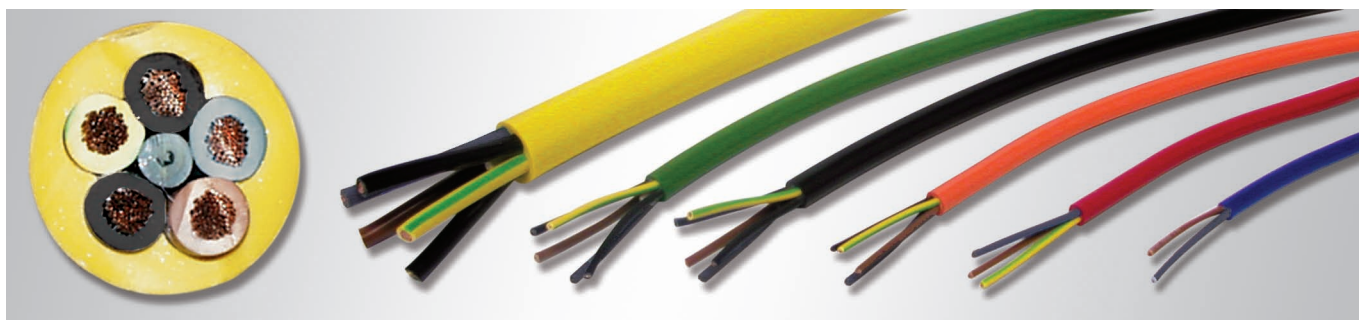
At 500 m and more, +/-10% may be over/under-delivered due to production processes. Delivery in one piece can only be guaranteed on the basis of an additional agreement.

Wire identification with new colours:

Based on the international harmonised standard HD 308 S2, all cable manufacturers are required to have modified the strand colours by 1st October 2006. It may therefore be that the strand colours of our cable deliveries do not yet conform to the standard given as the changeover is being carried out in stages.

former SEV	former CEN	NEW HD 308 S2
gn/ye	gn/ye	gn/ye
bl	bl	bl
black	black	br
rt	br	black
white	black	gr

GIFAS-GIFAFLEX



GIFAS GIFAFLEX: The universal, reinforced connection line / cable type (N) H05 VV-F reinforced

Technical data

Operating voltage U_0/U : 300/500 V
 Test voltage: 2000 V – 3000 V / 50 Hz
 Temperature range: -15° C to +70° C, inactive up to -30° C
 Minimum bend radius: 10 x 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

Identification (embossed)

GIFAS-ELECTRIC +S +S +S

Customer printing

The cable can be printed with your company name (according to your requirements). For further information, see page 2.

Special features

The GIFAS GIFAFLEX CABLE has excellent strength and extension properties, offers very good properties in fire and has a low impression depth. This cable also features exceptionally low humidity uptake. It features high resistance to the chemical effects of acids, weak alkalis and low alcohols. The GIFAS GIFAFLEX CABLE is resistant to atmospheric influences. Thanks to these properties, it can be used as a standard cable of above-average quality.

Applications

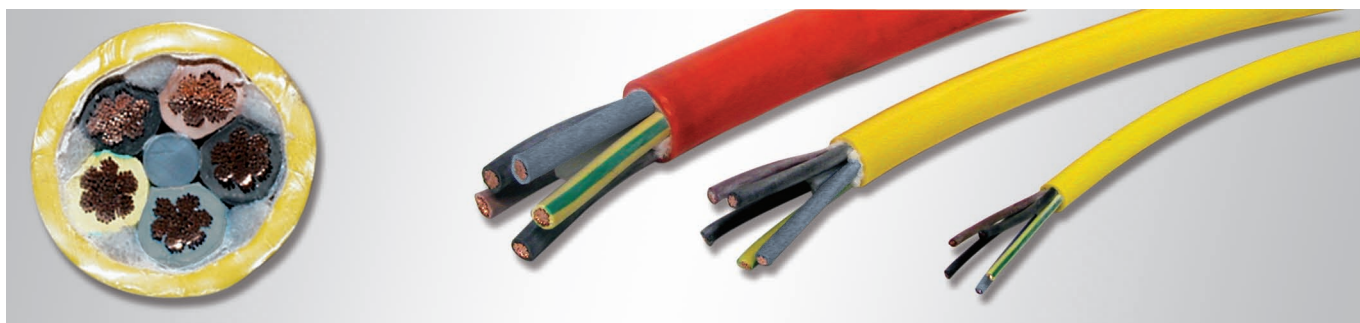
Equipment, machine industry / assembly industry / foodstuff industry / transport (e.g. railways) / mechanical workshops / construction sites / agriculture / communal operations. (Use conforming to VDE 0298, part 3)

Size No. of poles x mm ²	yellow Item no.	orange Item no.	red Item no.	blue Item no.	green Item no.	black Item no.	Strand structure Number x mm	External-Ø mm	Tolerances mm	Weight kg/100 m	Strand code ¹⁾ HD 308 S2	High-flex. Version	
												Strand structure Number x mm	black Item no.
2 x 0.5			10735				16 x 0.20	5.0	+/-0.3	3.5	bl, white		
4 x 0.5			39540				16 x 0.20	8.0	+/-0.4	5.2	black		
2 x 0.75	10631						24 x 0.20	6.5	+/-0.4	5.4	bl, br		
3 x 0.75	10632						24 x 0.20	6.9	+/-0.4	6.6	gn/ye, bl, br		
4 x 0.75	10633						24 x 0.20	7.5	+/-0.4	7.8	br, black, gr ²⁾		
5 x 0.75	10634						24 x 0.20	8.6	+/-0.4	10.0	gn/ye, bl, br, black, gr		
2 x 1.0	10635	10683	43587	17326	18708	16450	32 x 0.20	6.9	+/-0.4	6.0	bl, br	128 x 0.1	20872
3 x 1.0	10636	10684	30278	30279	10712	10742	32 x 0.20	7.3	+/-0.4	7.9	gn/ye, bl, br	128 x 0.1	34287
4 x 1.0	10637						32 x 0.20	7.9	+/-0.4	10.6	br, black, gr ²⁾		
5 x 1.0	10638						32 x 0.20	9.2	+/-0.4	11.5	gn/ye, bl, br, black, gr		
6 x 1.0	10639						32 x 0.20	10.4	+/-0.5	13.5	1-5 black, num., gn/ye		
8 x 1.0	10640						32 x 0.20	12.2	+/-0.5	16.0	1-7 black, num., gn/ye		
12 x 1.0						10743	32 x 0.20	13.8	+/-0.5	25.0	1-11 black, num., gn/ye		
18 x 1.0						10745	32 x 0.20	16.6	+/-0.6	42.0	1-17 black, num., gn/ye		
20 x 1.0						10744	32 x 0.20	17.9	+/-0.6	45.0	1-19 black, num., gn/ye		
26 x 1.0						10747	32 x 0.20	19.6	+/-0.6	52.0	1-25 black, num., gn/ye		
2 x 1.5	10641	14010	15891	26667	21200		30 x 0.25	8.5	+/-0.4	10.0	bl, br	191 x 0.10	20873
3 x 1.5	10642	10685	10723	10754	10713	10748	30 x 0.25	9.5	+/-0.4	11.0	gn/ye, bl, br	392 x 0.07	10866
4 x 1.5	10643	10686	10705			10758	30 x 0.25	10.3	+/-0.5	12.5	br, black, gr ²⁾		
5 x 1.5	10644	10687		35881			30 x 0.25	11.3	+/-0.5	14.5	gn/ye, bl, br, black, gr		
7 x 1.5	41453						30 x 0.25	12.6	+/-0.5	19.5	1-6 black, num., gn/ye		
12 x 1.5						10750	30 x 0.25	14.9	+/-0.6	31.0	1-11 black, num., gn/ye		
18 x 1.5						10751	30 x 0.25	20.2	+/-0.8	50.0	1-17 black, num., gn/ye		
24 x 1.5						10752	30 x 0.25	23.2	+/-0.8	64.0	1-23 black, num., gn/ye		
2 x 2.5	10646						50 x 0.25	9.5	+/-0.4	13.0	bl, br		
3 x 2.5	10647	10688		34664			50 x 0.25	10.8	+/-0.5	15.0	gn/ye, bl, br		
4 x 2.5	10648	10689					50 x 0.25	11.7	+/-0.5	21.0	br, black, gr ²⁾		
5 x 2.5	10649	10690	10725	10756	11655	26802	50 x 0.25	13.3	+/-0.5	23.0	gn/ye, bl, br, black, gr		
7 x 2.5	10650						50 x 0.25	14.4	+/-0.5	33.0	1-6 black, num., gn/ye		
1 x 4.0						46579	56 x 0.30	6.2	+/-0.4	10.6	black		
3 x 4.0	10651						56 x 0.30	13.5	+/-0.5	23.0	gn/ye, bl, br		
4 x 4.0	10652	10691					56 x 0.30	14.8	+/-0.5	30.0	br, black, gr ²⁾		
5 x 4.0	10653	10692	44002				56 x 0.30	16.9	+/-0.6	38.0	gn/ye, bl, br, black, gr		
3 x 6.0	10654						84 x 0.30	16.3	+/-0.6	37.0	gn/ye, bl, br		
4 x 6.0	10655						84 x 0.30	17.7	+/-0.6	44.0	br, black, gr ²⁾		
5 x 6.0	10656	10694					84 x 0.30	19.4	+/-0.6	51.0	gn/ye, bl, br, black, gr		

¹⁾ see note on page 2

²⁾ for specific applications only: green/yellow, blue, brown, black

GIFAS EUROFLEX



GIFAS EUROFLEX: A very special, high quality connection line (harmonised standard design)

Cable type H07 BQ-F (1 mm² = H05)

Technical data

Operating voltage U_0/U : 1 mm²: 300/500 V /from 1.5 mm: 450/750 V
 Test voltage: 2000 V / 50 Hz / 2500 V / 50 Hz
 Temperature range: -40° C to +90° C
 Minimum bend radius: 10 x D (D = cable Ø)
 Strand / casing: Cu-flex (HD 383 class 5)
 EPR rubber / PUR
 Casing colours: bright yellow RAL1021
 orange RAL2004

Special features

The GIFAS 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 GIFAS EUROFLEX CABLE also features very good resistance to weather conditions, UV radiation, ozone and oxygen as well as gamma radiation.

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

Identification (embossed)

GIFAS EUROFLEX H07 BQ-F <HAR> (1 mm² = H05)

Customer printing

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

Size No. of poles x mm ²	bright yellow Item no.	orange Item no.	Strand structure Number x mm	External-Ø in mm	Weight kg/100 m	Strand code ¹⁾ HD 308 S2
2 x 1.0	46863		32 x 0.194	7.0	5.2	bl, br
3 x 1.0	46864		32 x 0.194	7.4	7.1	gn/ye, bl, br
2 x 1.5	46865		28 x 0.253	8.4	8.7	bl, br
3 x 1.5	46866		28 x 0.253	8.9	10.7	gn/ye, bl, br
4 x 1.5	46867		28 x 0.253	10.1	13.6	br, black, gr ²⁾
5 x 1.5	46868		28 x 0.253	11.0	16.2	gn/ye, bl, br, black, gr
3 x 2.5	46869		48 x 0.253	10.7	16.1	gn/ye, bl, br
4 x 2.5	46870		48 x 0.253	11.9	20.0	br, black, gr ²⁾
5 x 2.5	46873		48 x 0.253	13.3	25.0	gn/ye, bl, br, black, gr
1 x 4.0 ³⁾	19247		56 x 0.300	7.0	5.9	black
5 x 4.0	46874		56 x 0.295	15.4	36.0	gn/ye, bl, br, black, gr
5 x 6.0	46876		84 x 0.385	17.4	47.0	gn/ye, bl, br, black, gr
5 x 10.0	46878		84 x 0.385	24.0	82.0	gn/ye, bl, br, black, gr
5 x 16.0	46879		133 x 0.385	27.4	118.0	gn/ye, bl, br, black, gr
5 x 25.0 ⁴⁾		45013	203 x 0.385	32.2	167.0	gn/ye, bl, br, black, gr
5 x 35.0 ⁴⁾		45014	288 x 0.385	37.5	231.0	gn/ye, bl, br, black, gr
5 x 50.0 ⁴⁾		45015	408 x 0.385	43.6	329.0	gn/ye, bl, br, black, gr

Other sizes and colours on request.

¹⁾ see note on page 2

²⁾ for specific applications only: yellow/green, blue, brown, black

³⁾ tin-plated strand

⁴⁾ based on HD 22.12

GIFAS PROFLEX



GIFAS PROFLEX: Special cable for extremely low ambient temperatures

Cable type H07 RN-F (1 mm² = H05)

Technical data

Operating voltage U ₀ /U:	450 V / 750 V
Test voltage:	2500 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 x D (D = cable Ø)
Strand / casing:	Cu-flex (VDE 0295 class 5) Polychloroprene / polychloroprene (VDE 0207)
Casing colour:	yellow

Special features

The outer casing of the GIFAS 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 1000 V.

Designation

GIFAS PROFLEX H07 RN-F <HAR> (1 mm² = H05)

Customer printing

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

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)

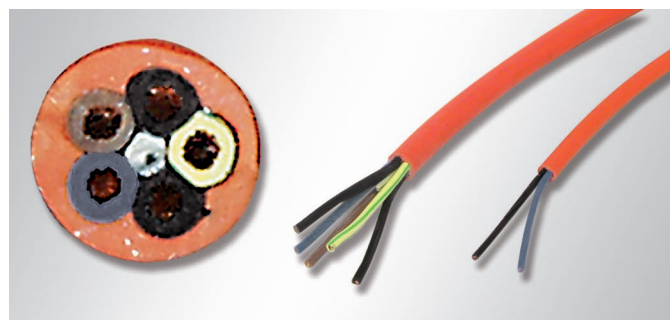
size No. of poles x mm ²	Item no.	Moderate		Weight kg/100 m	Strand code ¹⁾ HD 308 S2
		Strand structure Number x mm	External-Ø approx. (mm)		
2 x 1.0	47932	32 x 0.20	8.3	9.4	bl, br
2 x 1.5	47933	30 x 0.25	9.2	12.0	bl, br
3 x 1.5	21667	30 x 0.25	9.9	15.0	gn/ye, bl, br
4 x 1.5	47938	30 x 0.25	10.8	19.0	br, black, gr ²⁾
5 x 1.5	47942	30 x 0.25	11.9	23.0	gn/ye, bl, br, black, gr
2 x 2.5	47934	50 x 0.25	10.8	17.5	bl, br
3 x 2.5	47936	50 x 0.25	11.6	21.5	gn/ye, bl, br
4 x 2.5	47940	50 x 0.25	12.6	25.5	br, black, gr ²⁾
5 x 2.5	47943	50 x 0.25	13.9	32.5	gn/ye, bl, br, black, gr
3 x 4.0	47937	56 x 0.30	15.2	30.0	gn/ye, bl, br
5 x 4.0	47944	56 x 0.30	16.6	47.5	gn/ye, bl, br, black, gr
5 x 6.0	44594	84 x 0.30	18.3	63.0	gn/ye, bl, br, black, gr
5 x 10.0	44591	80 x 0.40	24.1	84.0	gn/ye, bl, br, black, gr
5 x 16.0	44595	128 x 0.40	28.4	153.0	gn/ye, bl, br, black, gr

Other sizes and colours on request.

¹⁾ see note on page 2

²⁾ for specific applications only: yellow/green, blue, brown, black

GIFAS THERMFLEX



GIFAS THERMFLEX: Special cable for increased ambient temperatures and with improved behaviour in the event of fire

Cable type (N) HXSLHXÖ-J to VDE 0281

Technical data

Operating voltage U ₀ /U:	300 V / 500 V
Test voltage:	2000 V / 50 Hz
Temperature range:	moves: -15° C to +90° C continuous operation -15° C to +130° C for 8 hours, (max. 100 h/year) in emergency operation inactive: -35° C to +90° C continuous operation -35° C to +130° C for 8 hours, (max. 100 h/year) in emergency operation Short-circuit: 300° C (max. short-circuit duration 3 seconds)
Minimum bend radius:	10 x D (D = cable Ø)
Strand / casing:	Cu-flex (VDE 0295 class 5) Cross-linked polymer / polymer (VDE 0266, HXM1)
Casing colour:	orange

Special features

The outer casing of the GIFAS THERMFLEX CABLE consists of cross-linked polymer, conforming to VDE 0207 Part 24, HM 1, flame-resistant. The cable features high resistance to chemical influences of ozone, mineral oils, diluted acids and alkalis. Its mechanical extremely high load capacity guarantees a long service life.

General features

Halogen-free, low fire conductance, minimal smoke formation, oil-resistant, increased temperature resistance

Designation

with marker thread

Applications

Chemical industry / steel and aluminium plants / paper factories / pharmaceutical industry / machine construction / automobile industry / tunnel and road construction.

Size No. of poles x mm ²	Item no.	Strand structure		External-Ø in mm	Weight kg/100 m	Strand code ¹⁾ HD 308 S2
		Number x mm				
2 x 0.75	42995	24 x 0.20	6.5	4.7		bl, br
3 x 0.75	42998	24 x 0.20	6.9	5.9		gn/ye, bl, br
5 x 0.75	43004	24 x 0.20	8.4	9.6		gn/ye, bl, br, black, gr
2 x 1.5	46180	30 x 0.25	7.7	7.4		bl, br
3 x 1.5	42994	30 x 0.25	8.2	9.2		gn/ye, bl, br
4 x 1.5	42999	30 x 0.25	8.9	11.4		br, black, gr ²⁾
5 x 1.5	43005	30 x 0.25	9.9	14.8		gn/ye, bl, br, black, gr
7 x 1.5	43008	30 x 0.25	12.2	22.3		1-6 black, num., gn/ye
3 x 2.5	44611	51 x 0.25	9.9	15.3		gn/ye, bl, br
4 x 2.5	43003	51 x 0.25	11.0	18.3		br, black, gr ²⁾
5 x 2.5	43006	51 x 0.25	12.0	23.0		gn/ye, bl, br, black, gr

Other sizes and colours on request.

¹⁾ see note on page 2

²⁾ for specific applications only: yellow/green, blue, brown, black

Equipment connection leads



Equipment connection leads

- All plugs vulcanized directly onto the cable
- Ends cut off to leave a smooth finish*

Customer printing

The connection leads for cable types GIFAFLEX, EUROFLEX and PROFLEX can be printed with your company name (according to your specifications).

Cable GIFAS GIFAFLEX (For technical specifications, see page 3)

Plug black item no.	Size No. of poles x mm ²	Length	yellow item no.	red item no.	orange item no.	green item no.	blue item no.	black item no.	High-flex. item no.
CH type 11	2 x 1.0	3 m	10815	43475	12441	47960	47958	47964	20875
		5 m	10816	47961	10825	18970	17352	11964	
		10 m	10817						
	2 x 1.5	3 m	10840	37207	37208	37209	37210		20876
		5 m	10841	37211	37212	21298	37213		
		10 m	25984						
CH type 12	3 x 1.0	3 m	10828	47978	12442	18969	47981	47983	47985
		5 m	10829	47979	12443	18966	47982	29725	
		10 m	10830						
		30 m	53822						
	3 x 1.5	3 m	10843	37214	37215	37216	37217	10849	
		5 m	10844	10850	19605	21297	22330	37218	
		10 m	10845						
		25 m	59891						
		30 m	18361						
		50 m	56821						
Angle plug CH type 12	3x 1.0	3 m	—					44957	44961
		5 m	43966						
		10 m	43967						
CH type 23	3 x 1.5	5 m	43041						
3 x 1.5	10 m	43043							
D contour plug*	2 x 1.0	3 m	50290						
		5 m	50291						
		10 m	50292						
	2 x 1.5	3 m	50293						
		5 m	50294						
		10 m	50295						
D shock-proof plug*	3 x 1.5	3 m	54089						
		5 m	50296						
		10 m	50297						

Cable GIFAS EUROFLEX (For technical specifications, see page 4)

Plug	Size No. of poles x mm ²	Length	yellow item no.
D contour plug*	2 x 1.0	3 m	50298
		5 m	50299
		10 m	50300
	2 x 1.5	3 m	50301
		5 m	50302
		10 m	50304
D safety contact plug*	3 x 1.5	3 m	50305
		5 m	50306
		10 m	50307

* On request and against surcharge: dismantled and furnished with conductor sleeves.

All connection leads are normally available directly from the warehouse.

Any cable colours and sizes not given here are available on request.

For further information, see page 2.

Cable GIFAS PROFLEX (For technical specifications, see page 5)

Plug	Size No. of poles x mm ²	Length	yellow item no.
D contour plug*	2 x 1.0	3 m	50308
		5 m	32071
		10 m	50309
	2 x 1.5	3 m	50311
		5 m	50312
		10 m	50313
D safety contact plug*	3 x 1.5	3 m	50314
		5 m	50315
		10 m	50316
		5 m	50317
CEE 3 x 16 A/230 V*	3 x 1.5	5 m	50318
CEE 4 x 16 A>50-500 V, 10 hours	4 x 1.5	5 m	50318
High frequency 100-300 Hz*			

Extension cable



Extensions IP X4

- 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).

GIFAS GIFAFLEX cable

Plug/ Coupling	Version	Size	5 m	10 m*	20 m*
CH-T11/T11 230 V	vulcanized	2 x 1.5		50571	50577
CH-T12/T13 230 V	vulcanized	3 x 1.0	10869	10870	11648
CH-T12/T13 230 V	vulcanized	3 x 1.5	10871	10872	11855
CH-T15 400 V	Hard rubber assembled	5 x 1.5	29877	30089	17990
CH-J15/4 400 V	Type Feller assembled	4 x 2.5	10890	10891	10892
CH-J15/5 400 V	Type Feller assembled	5 x 2.5	10893	10894	10895
CH-J25/5 400 V	Type CMC assembled	5 x 4.0		26767	26868
CH-J40/5 400 V	Type CMC assembled	5 x 6.0		26771	62735
CEE16/3 230 V	Hard rubber assembled	3 x 1.5	50319	50320	50322
CEE16/5 400 V	Hard rubber assembled	5 x 2.5	26777	26778	26779
CEE32/5 400 V	Hard rubber assembled	5 x 6.0	36078	64513	56850
CEE16/3 230 V	Plastic assembled	3 x 1.5	50323	50328	50329
CEE16/5 400 V	Plastic assembled	5 x 2.5	50330	50331	50332
CEE32/5 400 V	Plastic assembled	5 x 6.0	67326	66421	66521

* Extension cable with 10 and 20 m length must be fitted onto winding devices in use.

All extensions are normally available directly from the warehouse. 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 2.

GIFAS PROFLEX cable

Plug/ Coupling	Version	Size	10 m*	20 m*
D shock-proof plug 230 V	Hard rubber assembled	3 x 1.5	50256	50257
CEE-16/3 230 V	Hard rubber assembled	3 x 1.5	50258	50259
CEE-16/4 400 V	Hard rubber assembled	4 x 2.5	50260	50261
CEE-16/5 400 V	Hard rubber assembled	5 x 2.5	50262	50264
CEE-32/5 400 V	Hard rubber assembled	5 x 6.0	50267	50268
CEE-63/5 400 V	Hard rubber assembled	5 x 16.0	50271	50273
CEE-16/3 230 V	Plastic assembled	3 x 1.5	50274	50275
CEE-16/4 400 V	Plastic assembled	4 x 2.5	50277	50278
CEE-16/5 400 V	Plastic assembled	5 x 2.5	50279	50281
CEE-32/5 400 V	Plastic assembled	5 x 6.0	50284	50285
CEE-63/5 400 V	Plastic assembled	5 x 16.0	50288	50289
CH-J75/5 400 V	Type CMC assembled	5 x 16.0	51011	51012

Small distributor boxes (coupling part = small distributor box with 3x T13 built-in sockets)

Plug/ Coupling	Version	Size	5 m	10 m*	20 m*
CH-T12/3 x T13	Plug vulcanized	3 x 1.5	50505	50510	50335
CH-T15/3 x T13	Plug Hard rubber, assembled	5 x 1.5	50530	50532	80950

Small distribution boards (coupling part = safety contact three-way coupling)

Plug/ Coupling	Version	Size	5 m	10 m*	20 m*
D shock-proof/ 3-way coupling 230 V	Plug vulcanized Distr.hard rubber	3 x 1.5	51211	51212	50343

Spiral cables



Spiral cable

Technical data

Operating voltage U_0/U :	300/500 V to 1.0 mm ² , 450/750 V from 1.5 mm ²
Test voltage:	3000 V
Temperature range:	-30° C to +80° C
Strand / casing:	PVC/PUR
Casing colour:	orange

Special features

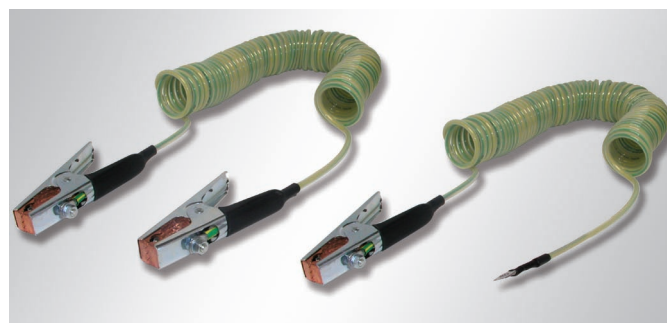
Long-lasting retractive force (even in daily use in tough conditions) characterise these spiral cables. High impact toughness, resistance to acids and alkalis, UV and weather-resistant are other features.

Applications

- For robots
- Drilling machines, screwdrivers and other manual equipment
- High performance machines, hoisting platforms
- Lights

Size No. of poles x mm ²	Item no.	Strand structure Number x mm	External-Ø in mm	Turning length in mm	Useable length in mm	Free Ends in mm
3 x 1.0	10790	32 x 0.2	7.20	800	3200	300
3 x 1.0	10791	32 x 0.2	7.20	1200	4800	300
5 x 1.0	12766	32 x 0.2	9.00	800	3200	200
3 x 1.5	10792	30 x 0.25	8.70	800	3200	300
3 x 1.5	10793	30 x 0.25	8.70	1200	4800	300
4 x 1.5	10767	30 x 0.25	9.50	800	3200	200
5 x 1.5	15036	30 x 0.25	10.30	500	2000	200
5 x 1.5	10795	30 x 0.25	10.30	800	3200	200
5 x 1.5	11925	30 x 0.25	10.30	1200	4800	200
7 x 1.5	10796	30 x 0.25	12.50	700	2800	200
4 x 2.5	10797	50 x 0.25	10.80	800	3200	200

Other versions available on request



Spiral ground cable

Technical data

Operating voltage U_0/U :	450/750 V
Test voltage:	2500 V
Temperature range:	-5° C to +70° C
Tensile strength:	min. 12.5 N/mm ²
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 x mm ²	Item no.	Strand structure Number x mm	External-Ø in mm	Turning length in mm	Useable length in mm
1 x 6.0	12517	52 x 0.38	13.00	500	2500
1 x 6.0	31341	52 x 0.38	13.00	1000	5000

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	Size No. of poles x mm ²	Item no.	Turning length in mm	Useable length in mm
Grounding tongs/grounding tongs	1 x 6.0	21034	500	2500
Grounding tongs/grounding tongs	1 x 6.0	32179	1000	5000
Grounding tongs/cable lug ø 8mm	1 x 6.0	16180	500	2500
Grounding tongs/cable lug ø 8mm	1 x 6.0	32180	1000	5000

Other versions available on request

Crane and elevator cables



GIFAplast-LIFT

Technical data

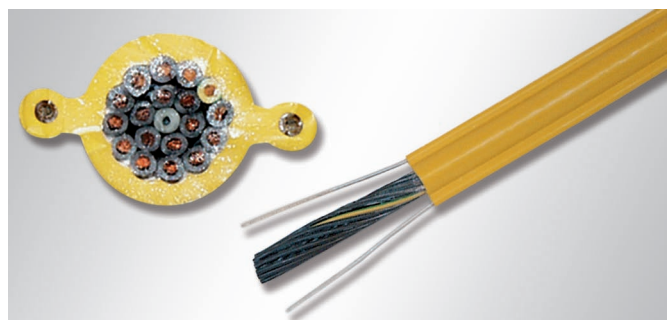
Cable:	Strands made from fine copper wire, bare, to VDE 0295, cl. 6
Insulation:	Special PVC, T12/Y12, to VDE 0207, part 4
Strand identification:	single colour, consecutively numbered by VDE 0293, with protective conductor
Temperature range:	moves: -30° C to +70° C inactive: -40° C to +70° C
Bend radius:	with changing bends 12 x D (D = cable Ø)
Operating voltage U_0/U :	300/500 V
Test voltage:	3000 V
Insulation resistance:	> 20 MOhm/km
Carrying force:	up to 110 kg (dead weight must be observed)
Casing:	PVC, TM2, YM2, to VDE 0207, part 5, 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. The strands with fine wire cable design and a strand structure matched to the high dynamics are insulated, black and numbered consecutively; the protective conductor is in the outer position. With multi-layer cord add-on units, textile dividing layers prevent undesirable adhesion. A coarse-mesh textile material stabilises the cryogenic GIFAplast coating.

Applications

- In lift construction in normal and extreme suspension heights and speeds
- In hoisting platforms and supply systems
- On control and push-buttons on electrical hoist devices



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 x D (D = cable Ø)
Operating voltage U_0/U :	300/500 V
Test voltage:	3000 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 x mm ²	Item no.	Strand structure Number x mm	External-Ø in mm	Weight kg/100 m
12 x 1.0	10808	57 x 0.15	17.8	29.9
18 x 1.0	10809	57 x 0.15	18.3	37.2
24 x 1.0	10810	57 x 0.15	20.8	49.2
9 x 1.5	10811	85 x 0.15	16.0	29.3
12 x 1.5	10812	85 x 0.15	18.5	39.6
18 x 1.5	10813	85 x 0.15	20.0	53.6
24 x 1.5	10814	85 x 0.15	23.0	66.0

Size No. of poles x mm ²	Item no.	Strand structure Number x mm	External-Ø in mm	Weight kg/100 m
12 x 1.0	54756	57 x 0.15	14.9/27.3	44.6
18 x 1.0	41756	57 x 0.15	17.0/32.0	52.8
25 x 1.0	42537	57 x 0.15	21.0/36.0	66.0

Other sizes on request. For more information, please request our special data sheet.

Other sizes on request. For more information, please request our special data sheet.

Cable for intrinsically safe systems



GIFA-FLEX-STY in pairs

Technical data

Cable:	Strand made from fine copper wire, bare, to VDE 0295, cl. 5
Insulation:	PVC, to VDE 0207, part 4
Strand identification:	Wires are blue and numbered consecutively
Assembly:	Wires stranded in pairs per 2 wires, with short twist lengths, foil winding around all wires, tin-plated filler strand
Bend radius:	with changing bends $15 \times D$ (D = cable Ø)
Operating voltage:	max. 300–500 V, depending on size
Insulation resistance:	> 20 MΩm/km
Test voltage:	effective 2000 V–3000 V, depending on size
Temperature range:	moves: -5° C to +70° C, inactive: up to -30° C
Casing:	PVC to VDE 0207, part 5, colour blue (intrinsically safe)

Special features

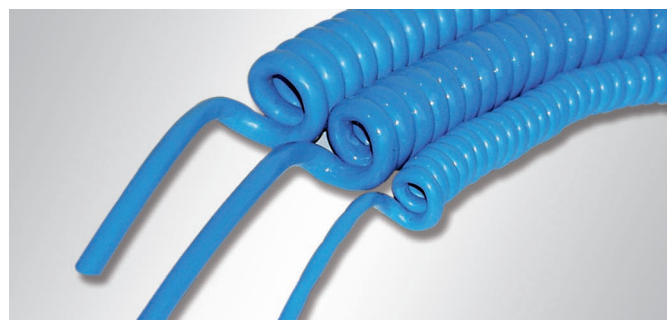
The GIFA-FLEX-STY cable is ideal for special applications in the control, measurement and regulation technology in intrinsically safe systems. The pair stranding with short twist lengths and a static protective shield prevent faults in the transmission area. The banding with an aluminium-covered foil 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 x mm ² kg/100m	Item no.	Strand structure Number x mm	External-Ø in mm	Weight approx.
1 x 2 x 0.75	17028	24 x 0.2	6.2	5.1
2 x 2 x 0.75	17029	24 x 0.2	9.2	10.9
3 x 2 x 0.75	17030	24 x 0.2	9.4	13.0
6 x 2 x 0.75	17031	24 x 0.2	13.0	22.9

Other sizes on request. For more information, please request our special data sheet.



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 MΩm/km
Test voltage:	Wire/wire 3000 V, wire/shield 2500 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.

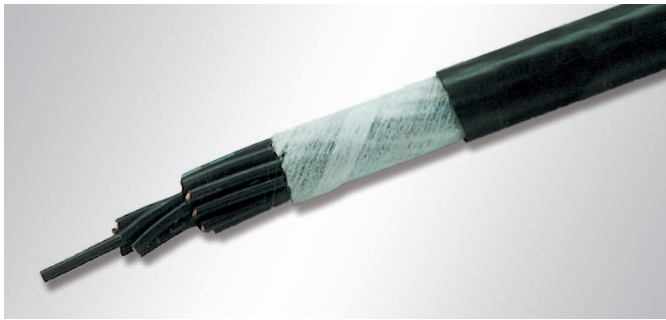
Applications

- In damp areas (no external applications)
- Heating and air conditioning technology
- Measurement and control leads in machine tool engineering

Size No. of poles x mm ²	Item no.	Turning length in mm	Useable length in mm	External-Ø in mm
2 x 0.75	56377	600	2000	6.7
2 x 0.75	44836	1200	4000	6.7
3 x 2 x 0.75	56376	600	2000	10.2
3 x 2 x 0.75	48040	1200	4000	10.2

Other sizes on request. For more information, please request our special data sheet.

Drag chain cable



Drag chain cable GIFAFLEX-DS-YCY «Round»

Technical data

Cable:	Strand made from fine copper wire, bare, to VDE 0295, cl. 6
Insulation:	PVC, to VDE 0207, part 4
Strand identification:	colour-coded or black and numbered, with or without green/yellow protective conductor with changing bends 12 x D (D = cable Ø)
Bend radius:	0.5-0.75 mm ² : 300/300 V 1.0-6.0 mm ² : 300/500 V
Operating voltage U ₀ /U:	> 20 MΩm/km
Insulation resistance:	0.5-0.75 mm ² : eff. 2000 V 1.0-6.0 mm ² : eff. 3000 V
Test voltage:	moves: -5° C to +70° C, inactive: up to -30° C
Temperature range:	PVC, YM2, to VDE 0207, part 5,
Casing:	Colour: black

Special features

GIFAFLEX-DS are exceptionally flexible control leads. They are mechanically robust and largely insensitive to petrol, oils and greases. The shielded version (-YCY) has a copper wire winding with textile retaining threads to prevent faults caused by electro-magnetic influences, at a coverage density of over 85%. The type of shielding guarantees optimum flexibility. The conductor is very fine-wired in this type. The twisting is kept comparatively tight. There are no drawn, current-carrying core strands.

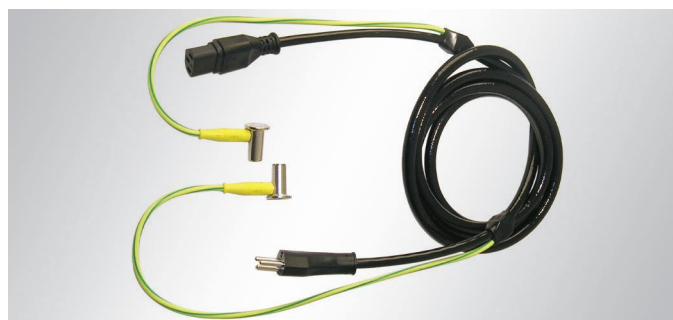
Applications

- In cable drag chains
- On assembly belts
- In robot technology
- Regulation, measurement and control leads
- In machine tool construction
- In plant and equipment construction
- In transport and supply technology

Size No. of poles x mm ²	Item no.	Shielding	Type	Strand structure Number x mm	External-Ø in mm	Weight approx. kg/100 m
4 x 1.5	48228	none	DS-Y	85 x 0.15	8.8	12.8
7 x 1.5	48229	none	DS-Y	85 x 0.15	11.8	20.0
12 x 0.5	48230	none	DS-Y	28 x 0.15	10.0	15.1
16 x 0.5	48231	none	DS-Y	28 x 0.15	11.1	19.2
18 x 1.0	36186	none	DS-Y	57 x 0.15	15.2	42.8
7 x 0.34	48232	CU shielding	DS-YCY	19 x 0.15	18.3	8.7
24 x 0.34	48233	CU shielding	DS-YCY	19 x 0.15	13.9	21.0
4 x 2 x 0.34	53238	Shielding/*steel wire cord	DS-YCY with*	19 x 0.15	8.8	9.7
4 x 2 x 0.34+2 x 1.0	56625	CU shielding	DS-YCY	19 x 0.15 + 57 x 0.15	12.5	11.6

Other sizes on request. For more information, please request our special data sheet.

GIFAS hospital equipment cable and hospital socket strip



GIFAS hospital equipment cable

Description

The GIFAS hospital equipment cables have been specially designed for acute 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. After a short cleaning time, the GIFAS hospital equipment cable can be used once again, free of bacteria and germs.

Product features

- Plug connector moulded both sides T12/T113 (cold equipment socket)
- All-round sprayed branch lines
- Resistant double polyurethane casing (polyether/PUR)
- Two functions in one cable
- Concentrically fitted potential wire
- No concealed slots / notches
- Exceptionally flexible and round cable
- Maximum flexibility grounding wire 4 mm²
- Very short cleaning time

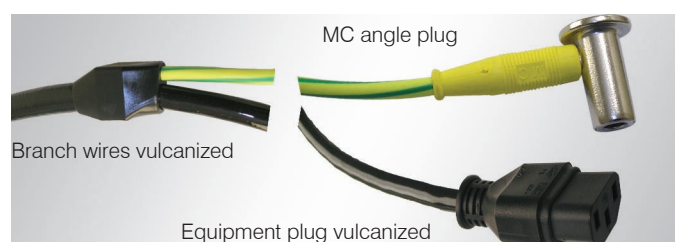
Category 3+4

for electrical installations in rooms used for medical purposes (SN SEV 1000-2000, chapter 7.10)

Technical data

Operating voltage:	450/750 V
Test voltage:	2500 V / 50 Hz
Temperature range:	-40° C to +90° C
Minimum bend radius:	10 x D (D = cable diameter)
External diameter:	10.5 mm
Strand / casing:	EPR rubber / polyether/PUR, black RAL 9005
T12 plug:	vulcanized onto the cable
Equipment plug T113:	vulcanized onto the cable
Branch wires:	vulcanized onto the cable
MC angle plug:	Type POAG-KBT 6 DIN, hand-assembled

Item no.	Description
18329	GIFAS hospital equipment cable, black, 3 m, 3x1.5mm ² +4mm ² , T12/T113 + 2xMC-POAG.KBT 6 DIN
18330	GIFAS hospital equipment cable, black, 5 m, 3x1.5mm ² +4mm ² , T12/T113 + 2xMC-POAG.KBT 6 DIN
21391	GIFAS hospital equipment cable, black, 3 m, 3x1.5mm ² +4mm ² , T12 + 2xMC-POAG.KBT 6 DIN, no T113 (direct connection)
21392	GIFAS hospital equipment cable, black, 5 m, 3x1.5mm ² +4mm ² , T12 + 2xMC-POAG.KBT 6 DIN, no T113 (direct connection)



Hospital plug socket strip

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 sockets and with ground connection sockets. A GIFAS hospital equipment cable is used as the power supply lead (see description, left).

Product properties of aluminium casing:

- Alu casing with fixing plates
- Corrosion-resistant
- UV-resistant and halogen-free
- Resistant to ageing and temperature
- Barely flammable

Product features of hard rubber casing type 1400:

- Casing fully safety insulated
- Impact-proof
- UV-resistant and halogen-free
- Resistant to ageing and temperature
- Resistant to oil and acid
- Good chemical resistance
- Barely flammable

Technical data Aluminium casing:

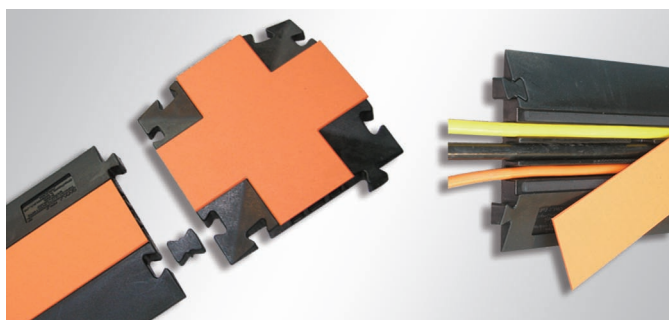
Colour:	silver-anodised
Dimensions with 4 plugs:	80x320x50 mm (WxHxD)
Dimensions with 6 plugs:	80x450x50 mm (WxHxD)

Technical data Hard rubber casing type 1400:

Colour:	black
Dimensions:	78x290x66 mm (WxHxD)

Item no.	Description
22101	Hospital socket strip aluminium casing with 3 m hospital equipment cable, 4 built-in sockets FLF T13 IP20, 4 POAG grounding connection sockets
22102	Hospital socket strip aluminium casing with 3 m hospital equipment cable, 6 built-in sockets FLF T13 IP20, 6 POAG grounding connection sockets
12008	Hospital socket strip, hard rubber type 1400 With 3 m hospital equipment cable, 4 built-in sockets T13 IP54, 4 POAG grounding connection sockets
71171	Hospital socket strip, hard rubber type 1400 With 5 m hospital equipment cable, 4 built-in sockets T13 IP54, 4 POAG grounding connection sockets

GIFAS cable crossovers



Cable crossover JUNIOR

Description

The cable crossover JUNIOR brings order to every provisional cable guide, for any type of lead or cable. The practical connection technology is ideal for daily usage. Additional safety is provided by the bright orange cover. This system offers problem-free fitting of telephone and data lines in offices, shopping centres, exhibition halls, markets, construction sites, etc.

Product features

This cable crossover offers simple assembly thanks to the plug-in system. It ensures clean and safe cable laying and thus permits unhindered traffic flow and easy to move wheelchairs, shopping trolleys, etc. over it. It withstands both pedestrian and car traffic (at low speed). The cable cover is simple to affix using two Velcro fastener strips and can be removed if required.

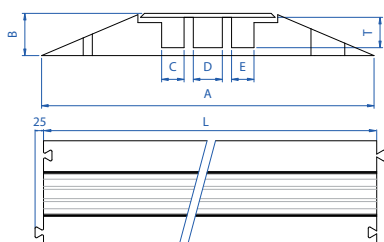
Technical data

Base material:	Hard polyurethane
Surface hardness:	90–95 Shore A
Fire-resistance:	C1 conforming to UNI version 9174 and UNI 8457
Cover:	ABS Metacrylic/PVC
Max. load:	0.17 kN/cm ²
Version:	conforms to EU standards EEC 72/73, IEC 64, IEC 364-7-704/708
Length (L):	1010 (1050) mm
Width (A):	250 mm
Overall height (B):	30 mm
Ducts:	3 ducts
Duct width (C / D / E):	18 / 23 / 18 mm
Duct height (T):	20 mm
Weight:	cable crossover 2.5 kg / connecting cross 0.8 kg

Item no.	Description
11781	Cable crossover JUNIOR, 3 ducts, 250x30x1010 mm (WxHxL)
11782	Connecting cross, 3 ducts to cable crossover JUNIOR

For smooth floors and bases:

12670	Cable crossover JUNIOR special 3 ducts, 250x30x1010 mm (WxHxL) with adhesive strip
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Cable crossover MIDI

Description

The cable crossover MIDI protects your cable transition points. It is ideal for power, gas, water, compressed air and hydraulic lines, and can be used anywhere, indoors and outdoors. It can be travelled over with a load bearing capacity of 5 t.

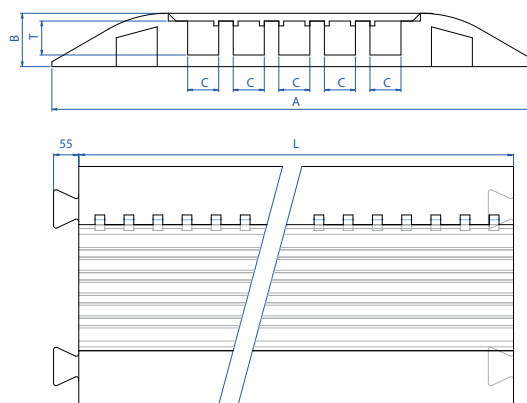
Product features

The cable crossover MIDI has 5 ducts. The hinged lid remains vertical when feeding in the cables and can be safely closed quickly and easily using the integrated slide fastener. Additional safety is provided by the yellow warning colour of the cover. The individual cable crossovers can be easily connected and therefore extended using vulcanized connectors. They are also anti-slip, temperature-resistant, insensitive to weather conditions, friction-proof and resistant to solvents, petrol, oil and road salt.

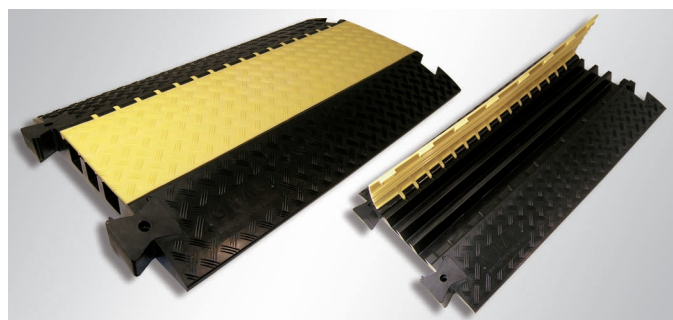
Technical data

Lower part material:	Polyurethane, black
Upper part material:	Polyurethane, yellow warning colour
Length (L):	870 (925) mm
Width (A):	535 mm
Overall height (B):	55 mm
Ducts:	5 ducts
Duct width (C):	35 mm
Duct height (T):	35 mm
Weight:	approx. 12 kg

Item no.	Description
16031	Cable crossover MIDI 5-duct, 535x55x870 mm (WxHxL)



GIFAS cable crossovers



Absolutely anti-slip via special honeycomb structure on the underside (MIDI and STANDARD versions)

Cable crossover STANDARD

Description

The STANDARD cable crossover protects your cable transition points. It is ideal for power, gas, water, compressed air and hydraulic lines. Manufactured from black polyurethane with structured anti-slip surface and striking yellow polyethylene cover, the GIFAS cable crossover STANDARD with 3 cable ducts is ideal for daily use, indoors and out. It can be travelled over with a tyre load of 5 t.

Product features

The cable crossover elements can be inter-connected using the connectors. Every cable crossover is supplied with one pair of connectors (permanently screwed onto the cable crossover). The hinged lid remains vertical when feeding in the cables and can be safely closed quickly and easily using the integrated slide fastener. The cable crossovers are temperature-resistant, insensitive to weather conditions, friction-proof and resistant to solvents, petrol, oil and road salt. The comprehensive range of accessories expands the cable crossover into a flexible system.

Technical data

Lower part material:	Polyurethane, black
Upper part material:	Polyurethane, yellow warning colour
Length (L):	1000 (1100) mm
Width (A):	605 mm
Overall height (B):	75 mm
Ducts:	3 ducts
Duct width (C / D / E):	53 / 46 / 58 mm
Duct height (T):	50 mm
Weight:	approx. 19 kg

Accessories for cable crossover STANDARD



Technical data

End ramp:

Material:	Polyurethane, black
Length:	150 mm
Width:	605 mm
Overall height:	75 mm
Ducts:	C 53 mm / D 46 mm / E 58 mm / T 50 mm
Weight:	2.6 kg

45° curve:

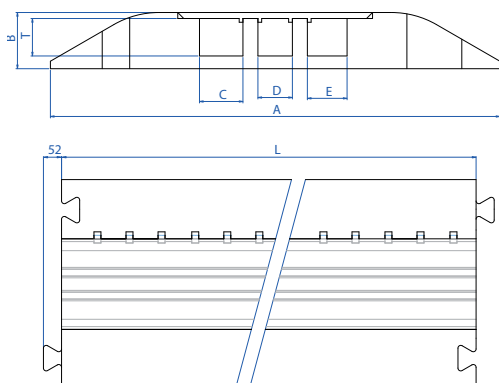
Lower part material:	Polyurethane, black
Upper part material:	Polyurethane, yellow warning colour
Radius:	302 mm
Overall height:	75 mm
Ducts:	C 53 mm / D 46 mm / E 58 mm / T 50 mm
Weight:	5.5 kg
Connectors:	integrated

Connectors:

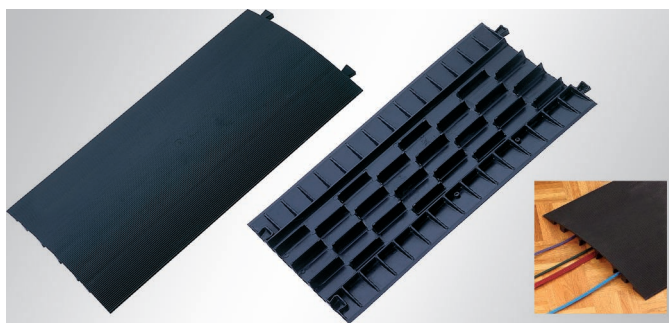
Material:	Polyurethane, black
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Item no.	Description
59553	Cable crossover STANDARD, 3 ducts, 605x75x1000 mm (WxHxL)

Item no.	Description
59554	End ramp
18359	45° curve (incl. 1 pair of connecting connectors)
59556	Connector



GIFAS cable crossovers



Cable crossover COMPACT

Description

The cable crossover COMPACT is the cost-effective option to the STAND-ARD and MIDI versions. A raised pattern rows shaped in the base allow a variety of cables to be laid underneath the cable crossover and thus bear the weight of vehicles travelling over it. It can be driven over safely with HGVs.

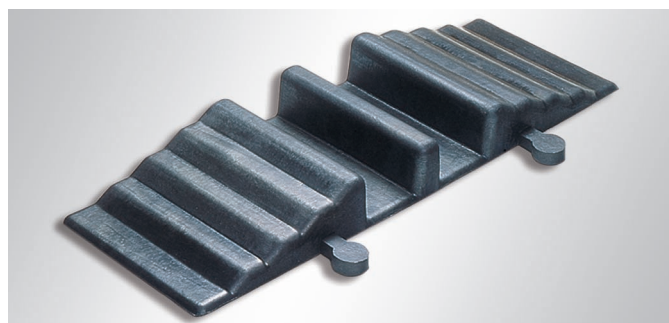
Product features

The cable crossover is manufactured from black polyurethane with a ribbed anti-slip surface. The TPU (thermoplastic polyurethane) is extremely friction-proof and flexible. Thanks to this new material formula, improved traction is guaranteed. The moulded connectors permit rapid connection, and the connectors cannot be lost.

Technical data

Material:	Polyurethane
Length (L):	805 mm
Width (A):	420 mm
Overall height (B):	35 mm
Duct width (C):	30 mm
Duct height:	up to 30 mm
Weight:	approx. 3.5 kg

Solid rubber hose bridges



Hose bridge

Description

The total range of cable crossovers also includes a hose bridge for drive-over protection of fire service hoses of all types.

Product features

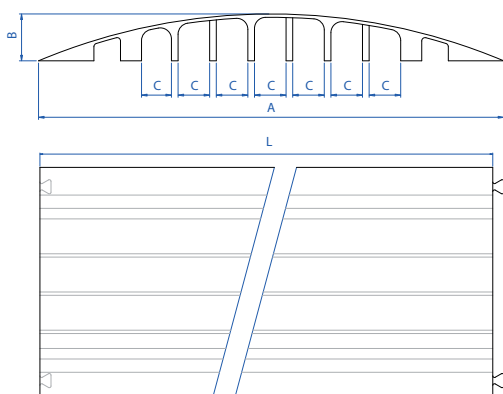
- Anti-slip design made from solid rubber
- 2-duct system for housing 2 B or 2 C hoses
- Installation openings marked in yellow
- Side inter-connecting connecting webs, can also be used carrying handles
- Any expansion of the track width possible
- High load capacity (tested up to 44 t load)
- Temperature, oil, alkali, salt and weather resistant

Technical data

Length (L):	862 mm
Width (A):	307 mm
Overall height (B):	95 mm
Duct width (C):	80 mm
Duct height (T):	92 mm
Weight:	23 kg per fitting
Components included:	1 fitting consisting of 2 single links

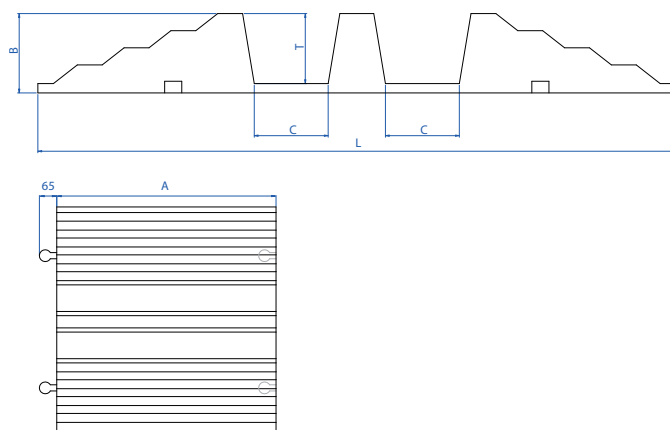
Item no. Description

19628 Cable crossover COMPACT, 420x35x805 mm (WxHxL)



Item no. Description

13107 Two-track hose bridge, 307x95x862 mm (WxHxL)



Get in touch with us

We are looking forward to become acquainted with you personally!



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Energy in the right dimension

GIFAS-ELECTRIC GmbH
Dietrichstrasse 2
Postfach 275
CH-9424 Rheineck

Telefon +41 71 886 44 44
Fax +41 71 886 44 49
www.gifas.ch
gifas.electric@gifas.ch

