



### A SAFE CONNECTION ON EVERY STEP OF THE WAY.

Whether dry or wet, whether for connecting small devices or large machines: Electrical cables from GIFA confront every challenge, from use in heavy industry to high operating temperatures. Additional cable bridges provide protection against abrasion or crimped cables as well as allowing for the safe use of the traffic routes without risk of tripping over.

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## LEUCHTFLEX



The GIFAS LEUCHTFLEX is designed for the connection of light electrical appliances under medium mechanical stress. This polyvinyl chloride insulated flexible cable meets high demands with regard to mechanical and chemical influences.

### Product features

- Silicone-free cable
- Polyvinyl chloride insulated
- Above-average flexibility under normal conditions
- According to DIN VDE 0281-1, HD 21.5.S3
- Stranded copper conductor construction according to DIN VDE 0295 class 5, IEC 228 Cl. 5
- Core identification according to DIN VDE 0293

### Technical data

Cable type	H05 VV-F
Operating voltage $U_o/U$	300/500V
Test voltage	3000V/50Hz
Temperature range	
- moved	-15°C to +70°C
- fixed	-30°C to +70°C
Sheath colour	yellow

### Areas of application

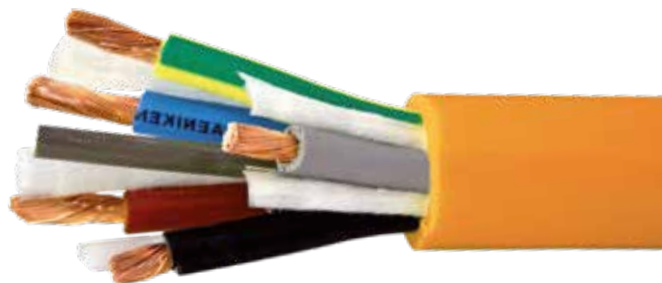
- Apparatus and machine industry
- Mechanical workshops
- Traffic (e.g. railways)
- Construction sites
- Agriculture
- Food industry
- Municipal enterprises

Item no.	Wires number x cross section in mm <sup>2</sup>	Conductors number x cross section in mm <sup>2</sup>	Cable outside-Ø in mm	Weight kg/km	Wire identification	Minimum order-quantity in m
102732	2x1,0	32x0,20	6,8	60	blue, brown	
102743	2x1,5	30x0,25	7,4	100	blue, brown	
102785	2x 2,5	51x0,25	9,2	130	blue, brown	100
102842	3x 0,75	24x0,20	5,9	66	green-yellow, blue, brown	
102850	3x1,0	32x0,20	7,2	70	green-yellow, blue, brown	
102860	3x1,5	30x0,25	7,8	110	green-yellow, blue, brown	
102886	3x2,5	51x0,25	9,8	150	green-yellow, blue, brown	500
102911	4x0,75	24x0,20	6,9	79	green-yellow, brown, black, grey	
102925	4x1,5	30x0,20	8,8	125	green-yellow, brown, black, grey	
102946	4x2,5	51x0,25	10,9	210	green-yellow, brown, black, grey	500
102962	5x0,75	24x0,20	7,5	100	green-yellow, blue, brown, black, grey	
102978	5x1,5	30x0,25	9,6	145	green-yellow, blue, brown, black, grey	
102999	5x2,5	51x0,25	12,0	230	green-yellow, blue, brown, black, grey	

Other versions on request.

The cable can optionally be printed with your company name (from 100m per cross-section).

## EXTREMFLEX PUR



The GIFAS EXTREMFLEX PUR is intended for use in dry, damp and wet environments. This PUR-coated power cable meets increased or above-average requirements. It is suitable for connecting commercial and industrial devices or tools such as drilling machines and grinding machines.

### Product features

- Silicone and halogen-free cable
- Special notched impact strength as well as abrasion and cut resistance
- Resistant to microbes, UV rays, oils, greases, petrol, water and weather influences
- According to DIN VDE 0282 Part-10, HD 22.10.S1
- Stranded copper conductor construction acc. to DIN VDE 0295 bare all 2- and 3-core cables class 6, IEC 228 Cl. 6
- all 4- and 5-core cables class 5, IEC 228 Cl. 5
- Core identification according to DIN VDE 0293

### Technical data

Cable type	H05 BQ-F, H07 BQ-F (from 1,5qmm)
Operating voltage $U_0/U$	300/500V (H05) 450/750V (H07)
Test voltage	2000V/50Hz (H05) 2500V/50Hz (H07)
Temperature range	
- moved	-25°C to +80°C
- fixed	-40°C to +90°C
Sheath colour	orange

### Areas of application

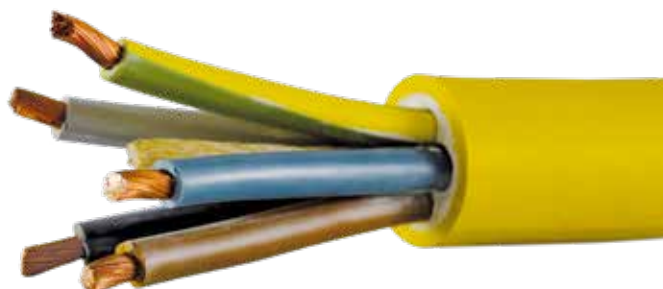
- Industry
- Shipyards
- Transportable engines or machines on construction sites

Item no.	Wires number x cross section in mm <sup>2</sup>	Conductors number x cross section in mm <sup>2</sup>	Cable outside-Ø in mm	Weight kg/km	Wire identification
102740	2x1,0	56x0,15	6,9	59	blue, brown
102751	2x1,5	84x0,15	8,5	89	blue, brown
102859	3x1,0	56x0,15	7,3	73	green-yellow, blue, brown
102876	3x1,5	86x0,15	9,0	109	green-yellow, blue, brown
102897	3x2,5	140x0,15	10,5	159	green-yellow, blue, brown
102937	4x1,5	30x0,25	9,8	137	green-yellow, brown, black, grey
102991	5x1,5	30x0,25	10,8	171	green-yellow, blue, brown, black, grey
103011	5x2,5	50x0,25	13,1	250	green-yellow, blue, brown, black, grey
206485	5x4,0	56x0,30	15,5	406	green-yellow, blue, brown, black, grey
206486	5x6,0	84x0,30	16,9	536	green-yellow, blue, brown, black, grey

Other versions on request.

The cable can optionally be printed with your company name (from 100m per cross-section).

## PROFLEXX H07



The GIFAS PROFLEXX H07 is intended for use in dry, damp and wet rooms or for outdoor use such as the connection of equipment in commercial and fire-hazardous premises. With protected and fixed installation, these cables may be operated with max. 1000V AC voltage or 750V DC voltage against earth.

### Product features

- Outer sheath made of mechanically highly stressable polychloroprene silicone-free cable
- High flexibility, excellent weather, ozone, oil and alkali resistance
- High thermal stress
- According to DIN VDE 0165, this cable type is permissible in potentially explosive atmospheres
- According to DIN VDE 0282-4, HD 22.4.S3
- Stranded copper conductor construction according to DIN VDE 0295 class 5, IEC 228 Cl. 5
- Core identification according to DIN VDE 0293

### Technical data

Cable type	H07 RN-F
Operating voltage $U_0/U$	450/750V
Test voltage	2500V/50Hz
Temperature range	
- moved	-25°C to +60°C
- fixed	-40°C to +60°C
- short term	to +250°C
Max. core temperature	in operation +85°C (Norm +60°C)
Sheath colour	yellow

### Areas of application

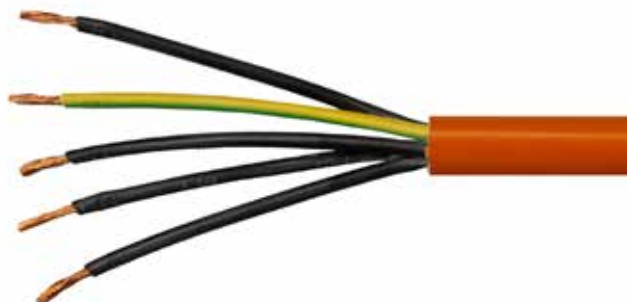
- Construction sites
- Industry
- Shipyards
- Portable power tools, motors and machines

Item no.	Wires number x cross section in mm <sup>2</sup>	Conductors number x cross section in mm <sup>2</sup>	Cable outside-Ø in mm	Weight kg/km	Wire identification
112733	2x1,0	32x0,20	8,4	94	blue, brown
102745	2x1,5	30x0,25	9,5	120	blue, brown
110623	2x2,5	50x0,25	11,0	175	blue, brown
102863	3x1,5	30x0,25	10,1	150	green-yellow, blue, brown
102888	3x2,5	50x0,25	12,0	215	green-yellow, blue, brown
102927	4x1,5	30x0,25	11,2	190	green-yellow, brown, black, grey
128372	4x2,5	50x0,25	13,3	270	green-yellow, brown, black, grey
102980	5x1,5	30x0,25	12,3	230	green-yellow, blue, brown, black, grey
103001	5x2,5	50x0,25	14,5	325	green-yellow, blue, brown, black, grey
123840	5x4,0	56x0,30	16,9	475	green-yellow, blue, brown, black, grey
103029	5x6,0	84x0,30	18,8	630	green-yellow, blue, brown, black, grey
102997	5x16,0	128x0,40	27,6	1530	green-yellow, blue, brown, black, grey

Other versions on request.

The cable can optionally be printed with your company name (from 100m per cross-section).

## THERMFLEX



This GIFAS THERMFLEX is intended for use in dry and damp rooms with medium mechanical stresses. It is used as a connection and link cable for control devices on machine tools, conveyor systems, production lines, etc.

### Product features

- Halogen- and silicone-free cable
- Outer sheath of cross-linked polymer, according to DIN VDE 0266, HXM 1
- Flame-retardant, oil-resistant
- High resistance to chemical effects of ozone, mineral oils, diluted acids and alkalis
- High mechanical strength guarantees a long service life
- In accordance with DIN VDE 0281-13 and DIN VDE 0282-9
- Stranded copper conductor construction
- According to DIN VDE 0295 class 5, IEC 228 Cl. 5
- Core identification according to DIN VDE 0293

### Technical data

Cable type	(N) HXSLHXÖ-J
Operating voltage $U_o/U$	300/500V
Test voltage	2000V/50Hz
Temperature range	
- moved	-25°C to +100°C
- fixed	-40°C to +100°C
Sheath colour	orange

### Areas of application

- Chemical industry
- Pharmaceutical industry
- Paper industry
- Automotive industry

Item no.	Wires number x cross section in mm <sup>2</sup>	Conductors number x cross section in mm <sup>2</sup>	Cable outside-Ø in mm	Weight kg/km	Wire identification
102731	2x0,75	24x0,20	5,6	83	1-2 numbered
102750	2x1,5	30x0,25	6,4	119	1-2 numbered
102848	3x0,75	24x0,20	5,9	100	1-2 numbered, green-yellow
102873	3x1,5	30x0,25	6,8	129	1-2 numbered, green-yellow
102894	3x2,5	51x0,25	8,3	197	1-2 numbered, green-yellow
102934	4x1,5	30x0,25	7,6	154	1-3 numbered, green-yellow
102952	4x2,5	51x0,25	9,2	237	1-3 numbered, green-yellow
102967	5x0,75	24x0,20	7,2	143	1-4 numbered, green-yellow
102988	5x1,5	30x0,25	8,3	198	1-4 numbered, green-yellow
103008	5x2,5	51x0,25	10,1	289	1-4 numbered, green-yellow
103064	7x1,5	30x0,25	10,0	274	1-6 numbered, green-yellow

Other versions on request.

The cable can optionally be printed with your company name (from 100m per cross-section).

# Equipment connection cables

## LEUCHTFLEX



## EXTREMFLEX PUR



**Product features**

- Vulcanised contour plug on 2-wire cable
- Vulcanised protective contact plug on 3-wire cable
- Free end stripped, uninsulated and equipped with wire end sleeves

Leuchtflex H05 VV-F

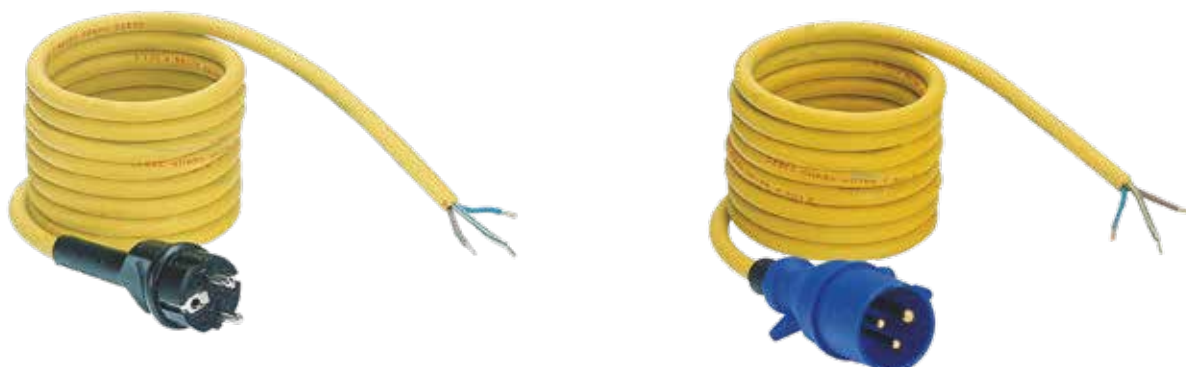
Item no.	Length in m	Wires number x cross section in mm²	Plug
100427	3	2x1.0	Contour plug
100431	3	2x1.5	Contour plug
100440	3	3x1.5	Protective contact plug
100448	5	2x1.0	Contour plug
100452	5	2x1.5	Contour plug
100459	5	3x1.5	Protective contact plug
100410	10	2x1.0	Contour plug
100412	10	2x1.5	Contour plug
100414	10	3x1.5	Protective contact plug

Extremflex H05 BQ-F or from 1.5m m² H07 BQ-F

Item no.	Length in m	Wires number x cross section in mm²	Plug
206919	3	2x1.0	Contour plug
207609	3	2x1.5	Contour plug
206918	3	3x1.5	Protective contact plug
203681	5	2x1.0	Contour plug
203684	5	2x1.5	Contour plug
211890	5	3x1.0	Protective contact plug
203688	5	3x1.5	Protective contact plug
203682	10	2x1.0	Contour plug
203686	10	2x1.5	Contour plug
203689	10	3x1.5	Protective contact plug

Other cross-sections and lengths available upon request.

## PROFLEXX H07



### Product features

- Vulcanised contour plug on 2-wire cable
- Vulcanised protective contact plug on 3-wire cable
- Moulded CEE plug
- Free end stripped, uninsulated and equipped with wire end sleeves

### Proflexx H07 RN-F

Item no.	Length in m	Wires number x cross section in mm <sup>2</sup>	Plug
112735	3	2x1.0	Contour plug
100435	3	2x1.5	Contour plug
100444	3	3x1.5	Protective contact plug
133852	4	2x1.0	Contour plug
112737	5	2x1.0	Contour plug
100454	5	2x1.5	Contour plug
100464	5	3x1.5	Protective contact plug
119034	10	2x1.0	Contour plug
115728	10	2x1.5	Contour plug
116195	10	3x1.5	Protective contact plug
206857	3	3x1.5	CEE 3x16A/230V
206892	5	3x1.5	CEE 3x16A/230V

The minimum order quantity per Type 50

Other cross-sections and lengths available upon request.

# Extensions

## PROFLEXX 07 230/400/500V



Cable type H07 RN-F with moulded-on plug connectors

### Areas of application

- Industry
- Assembly plants
- Power plants
- Building sites
- Services
- ESC
- Anywhere that current needs to be distributed safely

Item no.	GIFAS type	Length in m	Wires number x cross section in mm <sup>2</sup>	IP class	Plug / connector
258003	111/211/10/4315PROFLEXX H07	10	3x1.5	IP 44	Protective contact plug / protective contact connector
269425	111/211/20/4315PROFLEXX H07	20	3x1.5	IP 44	Protective contact plug / protective contact connector
113964	111/313/10/4315PROFLEXX H07	10	3x1.5	IP 44	Protective contact plug / 3-way protective contact connector
112131	111/313/20/4315PROFLEXX H07	20	3x1.5	IP 44	Protective contact plug / 3-way protective contact connector
120123	301656/57/10/4525PROFLEXX H07	10	5x2.5	IP 44	CEE 5x16A/400V
113748	301656/57/20/4525PROFLEXX H07	20	5x2.5	IP 44	CEE 5x16A/400V
275940	301656.2/57/10/4525PROFLEXX H07	10	5x2.5	IP 44	CEE 5x16A/400V CEE plug with phase inverter
285566	301656.2/57/20/4525PROFLEXX H07	20	5x2.5	IP 44	CEE 5x16A/400V CEE plug with phase inverter
107247	303256/57/10/4560PROFLEXX H07	10	5x6.0	IP 44	CEE 5x32A/400V
114808	303256/57/20/4560PROFLEXX H07	20	5x6.0	IP 44	CEE 5x32A/400V
275943	303256.2/57/10/4560PROFLEXX H07	10	5x6.0	IP 44	CEE 5x32A/400V CEE plug with phase inverter
285567	303256.2/57/20/4560PROFLEXX H07	20	5x6.0	IP 44	CEE 5x32A/400V CEE plug with phase inverter
112384	306356/57/10/45160PROFLEXX H07	10	5x16.0	IP 67	CEE 5x63A/400V
102221	306356/57/20/45160PROFLEXX H07	20	5x16.0	IP 67	CEE 5x63A/400V
259309	501646/47/10/4425H07	10	4x2.5	IP 44	CEE 4x16A/500V
207628	501646/47/20/4425H07	20	4x2.5	IP 44	CEE 4x16A/500V
259313	503246/47/10/4460H07	10	4x6.0	IP 44	CEE 4x32A/500V
244024	503246/47/20/4460H07	20	4x6.0	IP 44	CEE 4x32A/500V
125615	506346/47/10/44160H07	10	4x16.0	IP 67	CEE 4x63A/500V
245001	506346/47/20/44160H07	20	4x16.0	IP 67	CEE 4x63A/500V

Other designs available upon request.

**PROFLEX H07 with differential current protection device PRCD-S+**


Portable residual current protective device PRCD (Portable Residual Current Protective Device) with electronic residual current evaluation, for optimum personal protection as an intermediate cord device. Faults caused by defective loads lead to disconnection at all poles (DIN VDE 0661). In the event of system faults in the fixed installation, all possible faults are detected and the PRCD-S+ cannot be switched on. The PRCD-S+ detects external voltage on the protective conductor, it does not interrupt the protective conductor connection, the external voltage can thus release itself via its own, upstream protective devices RCCB and MCB.

**Product features**

- encapsulated version for rough operation
- suitable for direct connection into the supply line of the electrical appliance (H07 RN-F 3G 2.5mm<sup>2</sup>)
- independent of the plug system used
- large, easy-to-operate ON and OFF buttons
- additional optical switch position indicator
- undervoltage release
- all-pole switching
- Can be installed in cable reels and mobile distribution boards

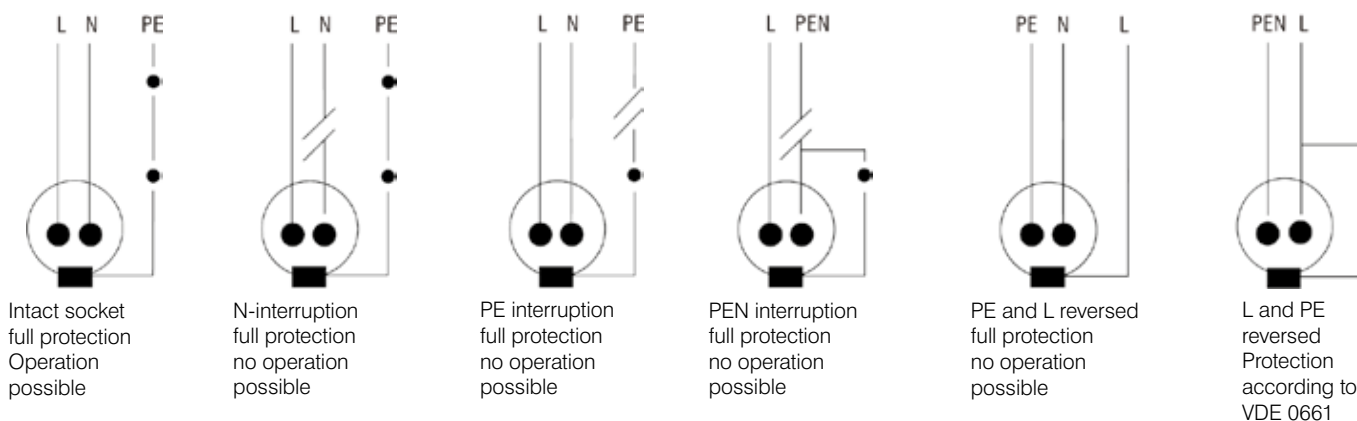
**Technical data**

Rated voltage	230V/50Hz
Rated current	16A
Rated residual current	10 bzw. 30mA
Ambient temperature	- 25°C to +45°C
Protection category	IP 55
Connection cross-section	1mm <sup>2</sup> up to 2,5mm <sup>2</sup>
Mark of conformity	GS
Standards / regulations	DIN VDE 0661

**Areas of application**

- Construction sites
- Fire brigades
- Workshops
- for all portable electrical appliances

Item no.	Length in m	Wires number x cross section in mm <sup>2</sup>	Plug / connector
300750	3	3x1,5	Protective contact plug / protective contact connector
301245	3	3x1,5	Protective contact plug / 3-way protective contact connector
301247	3	3x1,5	Right-angle safety plug / protective contact connector



Other versions on request.

# Specialist cables

## KRANFLEX



The GIFAS KRANFLEX is a special compound of cold-flexible, weather-resistant PVC as sheath and core material. The tensile forces that occur are absorbed by two opposing and axially parallel steel cable support elements connected to the outer sheath.

### Product features

- Crane and lift control cable based on DIN EN 60811

### Technical data

Load capacity	to 135kg
critical point	approx. 190kg
Temperature range	
- permanent	-30° C to +70° C
- fixed	-40° C to +70° C
Rated voltage $U_0/U$	300/500 V
Test voltage	3000 V
Wire conductor structure	DIN VDE 0295, Class 5
Wire ID code	DIN VDE 0293

### Areas of application

- on control bulbs
- in converter operation
- as unsupported shaft cable
- in high-bay systems
- in cable trays, etc.

Item no.	Wires number x cross section in mm <sup>2</sup>	Cable outside-Ø d1 / d2 in mm	Weight kg/km
102717	18x1,0	17,0 / 32,0	528
102827	25x1,0	21,0 / 36,0	660

## WENDEFLEX PUR



The long-lasting return force, even in daily use under difficult conditions, is what makes this spiral cable stand out.

### Product features

- High quality, long service life
- Excellent recoil forces, even in cold climates
- Tested with a million load cycles without failure
- Microbe-resistant, therefore also suitable for refrigerated warehouses

### Technical data

Cable type	H05 BQ-F, H07 BQ-F
Temperature range	-30°C to +80°C
Rated voltage $U_0/U$ (HAR)	300/500V (H05) 450/750V (H07)
Test voltage	2000V (H05) 2500V (H07)
Wire conductor structure	DIN VDE 0295, Class 5
Wire ID code	IEC 228 Cl.5 DIN VDE 0293

### Areas of application

- For industrial robots
- Drills, screwdrivers and other hand-held equipment
- High-performance machinery
- Lifting platforms
- Lights

Item no.	Wires number x cross section in mm <sup>2</sup>	Free ends in mm	Coil length in mm	Extended length in mm
211373	2x1.0	500	800	3000
212040	2x1.0	500	1500	6000
211375	3x1.5	500	800	3000
211774	3x1.5	500	1000	4000
211652	3x1.5	500	1500	6000
211377	5x1.5	500	800	3000
230228	5x1.5	500	1200	4800

Other cross-sections and lengths available upon request.

## POTIFLEX



The green/yellow exterior sheath of the highly flexible grounding spiral cable is made from polyether polyurethane and is therefore free of cadmium, CFCs, halogens and silicon. The green-yellow colour provides additional safety. The cable is mainly used for potential equalisation.

### Product features

- Low weight
- Temperature and corrosion-resistant
- Impact resistant in high and low temperature range
- Relatively high compressive stability with low wall thickness
- Seawater-resistant, shatter-proof and impact-resistant, resistant to termites, ozone-resistant
- Extensively resistant to acids, alkalis and solvents
- Oil-resistant exterior sheath compliant with VDE 0472 Part 803

### Technical data

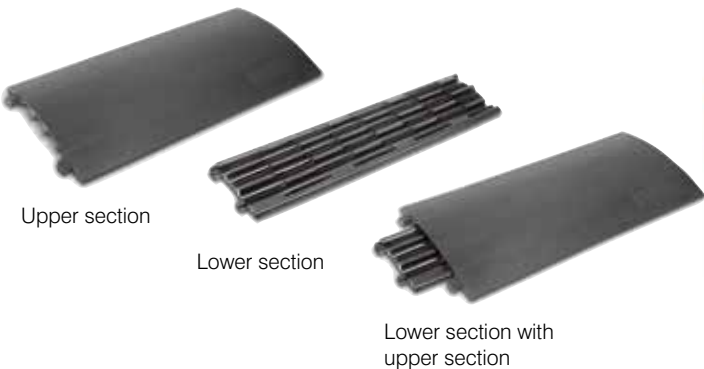
Temperature range	-40°C to 80°C (short-term 100°C)
Voltage	1000V
Testing alternating voltage	3500V
Wire structure	ultra-fine wire, Class 6
Single conductor	EL Cu 58 F 21 stripped/soft
Conductor resistance	compliant with DIN VDE 0295, IEC 60228
Coil length	600mm
Free ends	450mm
Extended length	5000mm

### Areas of application

- Measuring and control and laboratory technology
- Chemical industry, automotive industry
- Medicine, electrical engineering, food industry
- Equipment construction, pneumatics and hydraulics

Item no.	Connections	Wires number x cross section in mm <sup>2</sup>
248523	Free ends	1x6.0
249277	1 ground clamp 1 M8 cable lug	1x6.0
248769	2 ground clamps	1x6.0
248526	Free ends	1x10.0
249154	1 ground clamp 1 M8 cable lug	1x10.0
248773	2 ground clamps	1x10.0
248527	Free ends	1x16.0
249659	1 ground clamp 1 M8 cable lug	1x16.0
248784	2 ground clamps	1x16.0

MINI



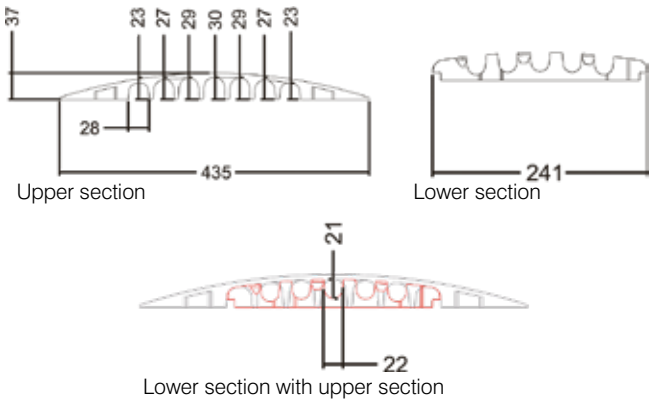
**MINI Upper section** - The low-cost version of GIFAS cable protectors. Rows of bumps moulded into the base allow a large number of cables to be laid under the MINI and the weight of vehicles driving over it to be supported. Not suitable for trucks/lorries! Moulded connecting tenons allow quick connections and the tenons cannot be lost afterwards.

**MINI lower section** - The ultimate extension for heavy loads. Our MINI stays true to its line. Easy to handle, quick to lay, low protector heights and now also even with a high load-bearing capacity. The reinforced cable protector can withstand even extreme loads. Even forklift trucks and lifting trucks can now drive over these protectors without causing any problems. If several MINIs with a lower section are laid in a line, they remain in a stable row even when driven over by a car.

Technical data

Material	Polyurethan, black
Fire safety class	B2 (nach DIN4102)
Working range	-30°C to +60°C
Hardness range	88 Shore ± 4A.
Dimensions	
Upper section (LxWxH)	806x435x37mm
Lower section (LxW)	804x241mm
Channels	
Upper- / Lower section	7 / 5
Channel width	
Upper- / Lower section	28mm / 22mm
Channel height	
Upper- / Lower section	23-30mm / 21mm
Weight	
Upper- / Lower section	3.6kg / 3.5kg

Item no.	Description
242930	MINI cable protector
258893	Lower section for MINI cable protector



MIDI 5 2D  
with wheelchair ramp



Fig. 1 x cable bridge yellow + 2 x ramp module black + connection set

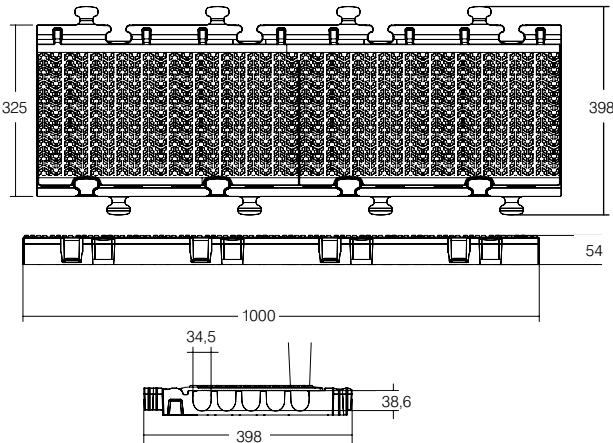
For optimal accessibility, the modular cable bridge MIDI 5 2D was developed on the basis of the MIDI cable bridge. It consists of a MIDI-compatible middle section and a flat ramp, which together can be extended and combined as required, both in length and width.

The barrier-free ramp with a 6° slope makes it easier for wheelchair users to cross the cable bridge effortlessly and, due to its high stability, can also be fully accessed by forklifts and trucks.

Technical data

Material in lower section	black polyurethane
Material in upper section	yellow polyurethane
Fire safety class	E (compliant with DIN EN 13501-1)
Working range	-30°C to +60°C
Hardness range	88 Shore ± 4A
Max. load	approx. 5t/400cm²
Dimensions (LxWxH)	1000x325x54 mm / 500x325x54 mm
Channels	5
Channel width	38,6mm
Channel height	34,5mm
Weight	11,5kg

Item no.	Description
300933	Cable bridge MIDI 5 2D, 100cm, yellow
300934	Cable bridge MIDI 5 2D, 50cm, yellow
300935	Ramp modul MIDI 5 2D, 100cm, black
300936	MIDI Connection set, black (4 pins)



## SLIM

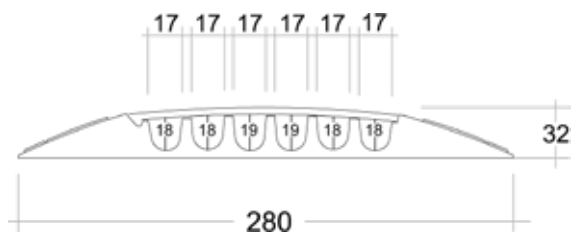


The smallest model with the biggest potential. Lightweight, professional, suitable for wheelchairs and universally usable. Equipped with 6 channels, this cable protector meets all the expectations of a professional cable protection system in the smallest possible space.

### Technical data

Material in lower section	black polyurethane
Material in upper section	yellow polyurethane
Fire safety class	B2 (compliant with DIN 4102)
Working range	-30°C to +60°C
Hardness range	88 Shore ± 4A.
Max. load	approx. 2t/400mm <sup>2</sup>
Dimensions (LxWxH)	1000x280x32mm
Channels	6
Channel width	17mm
Channel height	18-19mm
Weight	4.4kg

Item no.	Description
266557	SLIM 6-channel cable protector
297777	End piece SLIM female
297776	End piece SLIM male



## SMART

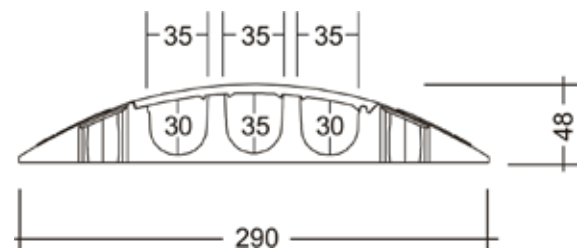


The dwarf among giants. Lightweight, professional and universally usable. The SMART cable protector satisfies all of the demands made of a professional cable protection system and extends the GIFAS range with a compact, extremely lightweight cable protector that can be driven over in the familiar black/yellow design.

### Technical data

Material in lower section	black polyurethane
Material in upper section	yellow polyurethane
Fire safety class	B2 (compliant with DIN 4102)
Working range	-30°C to +60°C
Hardness range	88 Shore ± 4A.
Max. load	2t/400mm <sup>2</sup>
Dimensions (LxWxH)	1000x290x48mm
Channels	3
Channel width	35mm
Channel height	30mm, 35mm, 30mm
Weight	5kg

Item no.	Description
262866	SMART 3-channel cable protector
282828	End piece SMART female
282829	End piece SMART male



### Product features

- For electricity, gas, water, compressed air and hydraulic lines
- Non-slip, temperature-resistant, weathering-resistant, wear-resistant
- Resistant to solvents, petrol, oil, acid and de-icing salt
- Extensions possible with moulded-on or mounted tenons
- Structured non-slip surface
- Self-cleaning locking hinge
- DEKRA-certified - tested product safety

MIDI

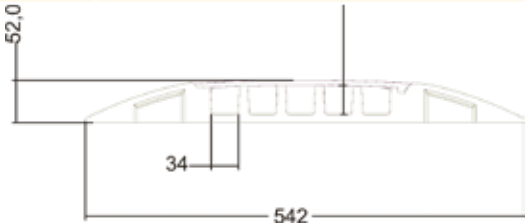


The MIDI cable protector has 5 channels, is lower and weighs less than the PROTECT and moulded-on connectors. Its load-bearing capacity is similar to that of PROTECT.

Technical data

Material in lower section	black polyurethane
Material in upper section	yellow polyurethane
Fire safety class	B2 (compliant with DIN 4102)
Working range	-30°C to +60°C
Hardness range	88 Shore ± 4A.
Max. load	approx. 5t/ 400 mm²
Dimensions (LxWxH)	890x542x52mm
Channels	5
Channel width	34mm
Channel height	36mm
Weight	11.5kg

Item no.	Description
247921	MIDI 5-channel cable protector
247924	MIDI end piece incl. separate connecting tenons
247923	45° MIDI elbow

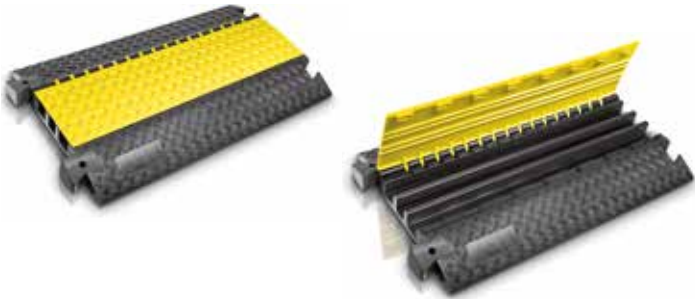


End piece



Elbow 45°C

PROTECT

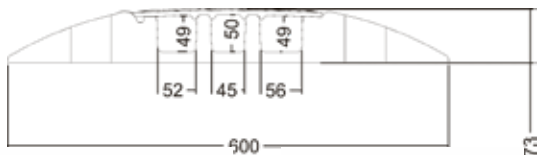


With PROTECT, the individual cable protectors can be connected to each other using screwed-on tenons. Each cable protector is supplied with a pair of pre-mounted connecting tenons. A full range of accessory parts extends the PROTECT range to create a flexible system for protecting expensive cables.

Technical data

Material in lower section	black polyurethane
Material in upper section	yellow polyurethane
Fire safety class	B2 (compliant with DIN 4102)
Working range	-30°C to +60°C
Hardness range	88 Shore ± 4A.
Max. load	approx. 5t/ 400 mm²
Dimensions (LxWxH)	1000x600x73mm
Channels	3
Channel width	52mm, 45mm, 56mm
Channel height	49mm, 50mm, 49mm
Weight	22kg

Item no.	Description
242122	Cable protector PROTECT 3 channel
242184	PROTECT end piece
249217	45° PROTECT elbow
242183	PROTECT connecting tenons (2 peaces)

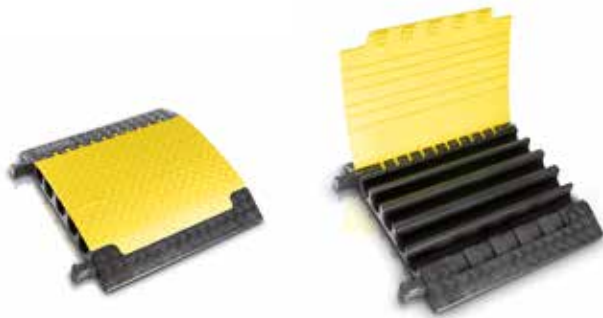


End piece



Elbow 45°C

## MAXIMA

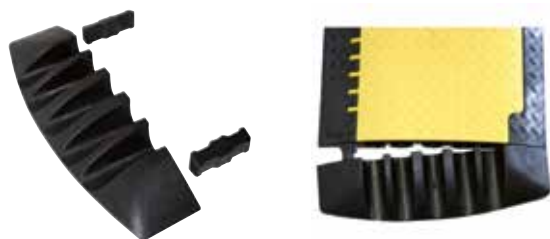
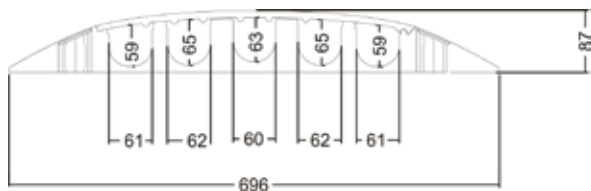


The MAXIMA has 5 over-sized cable channels, 3 of them suitable for C-hose types used by the fire brigade (diameter 62 mm). Heavy current cables are afforded optimum protection too. When used in public traffic situations, please be aware of road traffic acts that are pertinent to your country.

### Technical data

Material in lower section	black polyurethane
Material in upper section	yellow polyurethane
Fire safety class	B2 (compliant with DIN 4102)
Working range	-30°C to +60°C
Hardness range	88 Shore $\pm$ 4A.
Max. load	approx. 5t/400 mm <sup>2</sup>
Dimensions (LxWxH)	700x696x87mm
Channels	5
Channel width	61mm, 62mm, 60mm, 62mm, 61mm
Channel height	59mm, 65mm, 63mm, 65mm, 59mm
Weight	21.4kg

Item no.	Description
256032	Cable protector MAXIMA 5 channel
256034	MAXIMA end piece incl. separate connecting tenons



End piece

## MEGA

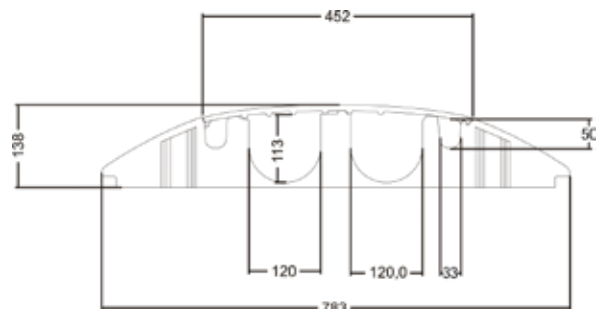


The MEGA was developed for major events. The main features of this heavy-load protector are its oversized cable / hose channels for cables of up to 120 mm (e.g. 2 x A hose), shatter-proof connectors and plug housing not  $\geq$  100 mm. When used in public traffic situations, please be aware of road traffic acts that are pertinent to your country.

### Technical data

Material in lower section	black polyurethane
Material in upper section	yellow polyurethane
Fire safety class	B2 (compliant with DIN 4102)
Working range	-30°C to +60°C
Hardness range	88 Shore $\pm$ 4A.
Max. load	approx. 5t/400 mm <sup>2</sup>
Dimensions (LxWxH)	700x783x139mm
Channels	2+2
Channel width	35mm, 120mm, 120mm, 35mm
Channel height	50mm, 115mm, 115mm, 50mm
Weight	30.5kg

Item no.	Description
256985	MEGA 4-channel cable protector



### Project note

A clearly defined area load specification is more precise than a load specification using an axle load.

EASY40



The fastest cable bridge for indoor and outdoor use, such as for exhibitions, trade fairs, shopping centres or offices. The EASY cable bridge saves time when securing cables and prevents tripping hazards. For example, the cable protection can be easily and quickly laid over already laid cables and hoses without a cover or base. In addition, the low weight contributes to handling. The cable duct can be used for various cables and hoses, e.g. up to 5 microphones or mains cables. With a load capacity of approx. 0.5 tons per 20 x 20 cm area, the cable bridges support normal cars, trolleys, bicycles, wheelchairs and pedestrians. With the EASY, the individual cable bridges can be connected to each other using a special plug-in system.

Technical data

Material	polyurethane, yellow
Fire protection	class B2 (according to DIN 4102)
Working range	-30°C to +60°C
Hardness range	88 Shore ± 4A.
Max. load	approx. 0.5t/ 400cm
Dimensions (LxWxH)	1005x125x20mm
Channels	1
channel width	40mm
channel height	12mm
Weight	1,35kg

Item no.	Description
324979	Cable bridge EASY40, 1 channel

EASY100



The fastest cable bridge for indoor and outdoor use, such as for exhibitions, trade fairs, shopping centres or offices. The EASY cable bridge saves time when securing cables and prevents tripping hazards. For example, the cable protection can be easily and quickly laid over already laid cables and hoses without a cover or base. In addition, the low weight contributes to handling. The cable duct can be used for various cables and hoses, e.g. up to 5 microphones or mains cables. With a load capacity of approx. 0.5 tons per 20 x 20 cm area, the cable bridges support normal cars, trolleys, bicycles, wheelchairs and pedestrians. With the EASY, the individual cable bridges can be connected to each other using a special plug-in system.

Technical data

Material	polyurethane, yellow
Fire protection	class B2 (according to DIN 4102)
Working range	-30°C to +60°C
Hardness range	88 Shore ± 4A.
Max. load	approx. 0.5t/ 400cm
Dimensions (LxWxH)	1005x250x40mm
Channels	1
channel width	100mm
channel height	30mm
Weight	4,2kg

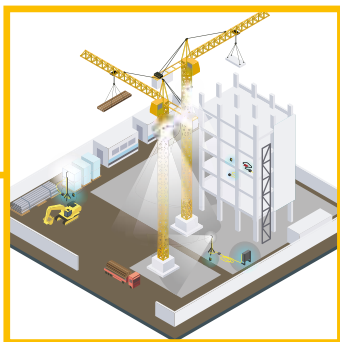
Item no.	Description
324980	Cable bridge EASY100, 1 channel

## Cable protectors



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## Cable protectors



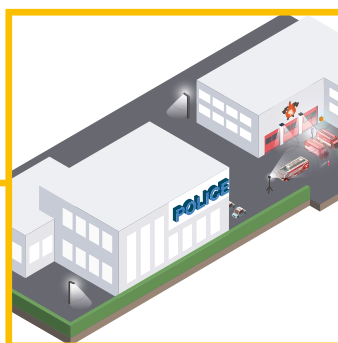
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