



**06**  
MAIN CATALOGUE

## Cables/Cable crossovers

ELECTRIC SOLUTIONS

V0625

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## Cable crossovers

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# Information of the cable assortment

Flexible and customisable cables, spiral cables, control and special cables for various installations in construction, trade and industry. Our comprehensive range of different cable qualities, cross-sections and sheath colours is impressive. We also offer a special range of hospital equipment cables and socket strips for use in the healthcare sector.

## Your benefits

- large standard range, many items from stock
- can be customised
- high-quality individual components
- for every application in industry, construction, garden, etc.
- cable labelling possible

## Our services

- tailor-made, customised solutions
- proven product range
- manufacturing from small to large quantities

## Colours GIFAFLEX

When purchasing more than 500 m (if not in stock) of one dimension, the following cable colours are available for a small surcharge:

grey	RAL 7001	blue	RAL 5015	black	RAL 9005	brown	RAL 8004
green	RAL 6010	orange	RAL 2003	red	RAL 3000	yellow	RAL 1021

*Other special cable colours on request.*

## Colours EUROFLEX

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

## Customer printing

The GIFAFLEX, EUROFLEX and PROFLEX cable types can be labelled on request, e.g. with the company name (no logos).

- Free printing: from 500 m (10/16 mm<sup>2</sup> 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).

## Connection cable assembly

Plugs vulcanised on, ends cut smooth; stripped, stripped and fitted with ferrules on request and at an extra charge.

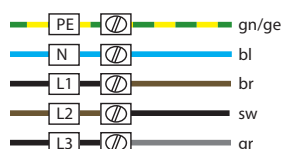
## Production lengths

In the case of 500 m and more, +/–10% may be over/under-delivered due to the manufacturing process. The guarantee of delivery in one piece can only be guaranteed by means of an additional agreement.

## Wire identification/Strand code

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

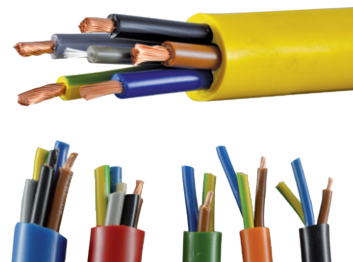
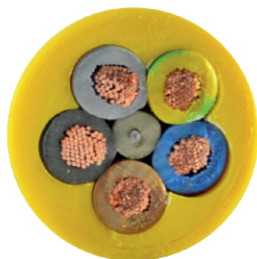
### HD 308 S2



- ✓ = from stock, offer subject to prior sale
- other dimensions/versions available on request
- various accessories and spare parts available



## The universal, reinforced cable, cable type CH-N07V3V3-F



The GIFA FLEX cable is a heavy, cold-resistant cable with excellent tensile strength and elongation, very good fire behaviour and low indentation depth. The cable is also characterised by high resistance to the chemical effects of acids, weak alkalis and low alcohols as well as extremely low moisture absorption. The GIFA FLEX cable is resistant to atmospheric influences. These properties mean that it can be used as a standard cable of above-average quality.

### Applications

Apparatus and machine industry/defence industry/food industry/transport (e.g. railways)/mechanical workshops/construction sites/agriculture/municipal operations (use according to VDE 0298, Part 3)

### Technical data

Operating voltage $U_o/U$ :	450/750V
Test voltage:	2'000V - 3'000V / 50Hz
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:	yellow RAL 1021 (standard) or as required

### Assortment

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

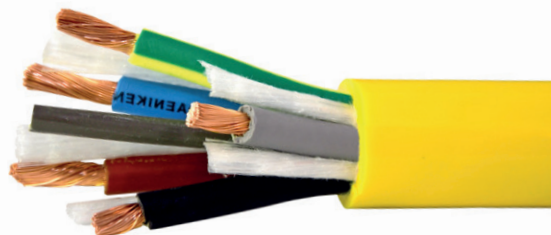
### High-flex. Version

					020872 ✓	2×1.0*	128×0.1	7.3	6.0	bl,br
					020873 ✓	2×1.5*	191×0.1	8.0	10.0	bl,br

\* Available while stocks last

# EUROFLEX

## The modern, harmonised cable, cable type H07 BQ-F (1mm<sup>2</sup> = H05)



The EUROFLEX cable is characterised by its high resistance to the chemical effects of mineral oils/greases, non-alcoholic petrol and paraffin, sea/sea water and used water, microbes and contamination, acids and alkalis. The cable is suitable for contact with foodstuffs. It is halogen-free. Its high mechanical strength guarantees a long service life. It is also flexible at low temperatures and has low adhesion. The EUROFLEX cable is also characterised by very good resistance to weathering, UV rays, ozone and oxygen as well as radiation (gamma).

### Applications

Chemical industry/apparatus and machine industry/defence industry/food industry/transport (e.g. railways)/mechanical workshops/construction sites/agriculture/municipal operations (use in accordance with VDE 0250, Part 818)

### Technical data

Operating voltage U <sub>0</sub> /U:	1 mm <sup>2</sup> : 300/500 V/ab 1.5 mm <sup>2</sup> : 450/750 V
Test voltage:	2000 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 colour:	yellow RAL 1021, orange RAL 2004

### Assortment

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

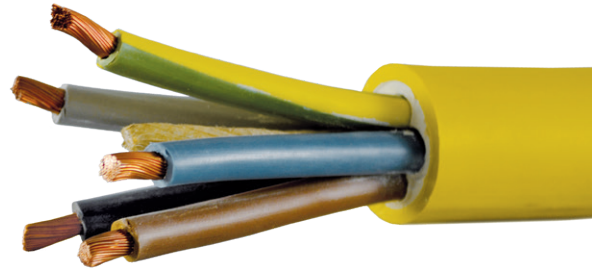
\* Available while stocks last

<sup>1)</sup> fine copper conductor tin-plated / insulation EPR / outer sheath PUR

<sup>2)</sup> Based on HD 22.12

# PROFLEX

## The strong, tried-and-tested construction cable, cable type H07 RN-F (1 mm<sup>2</sup> = H05)



The outer jacket of the PROFLEX cable is made out of polychloroprene with extremely high mechanical strength. The structure of the silicone-free pipe ensures high flexibility, excellent resistance to weathering, ozone, oil, grease and alkalis as well as high thermal resistance. The cable can be used permanently under water. Also approved for fixed installation up to 1'000 V.

### Applications

In heavy-duty industrial environments/construction sites/tunnelling/snowmaking systems/EX area VDE 0165 (use in accordance with VDE0284-4 and VDE0282-810 construction site use)

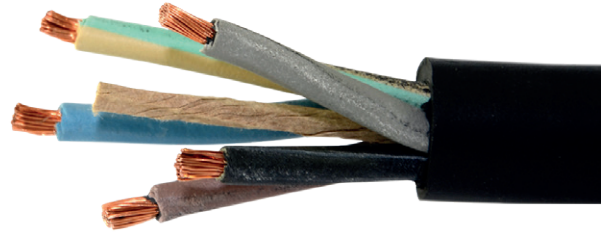
### Technical data

Operating voltage U <sub>0</sub> /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:	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 RAL 1021

### Assortment

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

## The versatile, universal industrial cable, cable type H07 RN-F (1 mm<sup>2</sup> = H05)



The structure of the silicone-free cable ensures high flexibility and high resistance to oils and greases – even in an alkaline or acidic environment.

### Applications

In the area of very extreme mechanical and thermal loads. Agriculture/construction sites/trade/fire-hazardous operating sites/sports facilities/event technology/stage and music areas/temporary buildings/residential barracks/cooling installations/photovoltaics/steel industry/swimming pool technology/robotics/swimming pool technology/robotics

### Technical data

Operating voltage U <sub>0</sub> /U:	450V/750V
Test voltage:	2'500V/50Hz
Temperature range:	
– moves:	–35° C to +90° C
– inactive:	–60° C to +90° C
– short-term:	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
Water resistance:	AD6 (sonic water)
Version:	standard (Premium on request)

### Assortment

Item no.	Size No. of poles × mm <sup>2</sup>	Strand structure Number × mm	External-Ø mm min.	max.	Weight kg / 100 m	Strand code HD 308 S2
036790 ✓	3 × 1.0	32 × 0.20	8.3	10.7	11.7	gn / ye, bl, br
036791 ✓	2 × 1.5	30 × 0.25	8.5	11.0	11.1	bl, br
052562 ✓	3 × 1.5	30 × 0.25	9.2	11.9	13.4	gn / ye, bl, br
028362 ✓	5 × 1.5	30 × 0.25	11.2	14.4	23.8	gn / ye, bl, br, black, gr
019470 ✓	3 × 2.5	50 × 0.25	10.9	14.0	19.5	gn / ye, bl, br
019471 ✓	5 × 2.5	50 × 0.25	13.3	17.0	29.7	gn / ye, bl, br, black, gr
018735 ✓	5 × 4.0	50 × 0.30	15.6	19.9	45.3	gn / ye, bl, br, black, gr
054822 ✓	5 × 6.0	84 × 0.30	17.5	22.2	55.7	gn / ye, bl, br, black, gr
028364 ✓	5 × 10.0	80 × 0.40	22.9	29.1	100.1	gn / ye, bl, br, black, gr
028363 ✓	5 × 16.0	128 × 0.40	26.4	33.3	143.0	gn / ye, bl, br, black, gr
030963 ✓	5 × 25.0	205 × 0.40	32.0	40.4	209.6	gn / ye, bl, br, black, gr
030964 ✓	5 × 35.0	290 × 0.40	35.6	45.1	270.0	gn / ye, bl, br, black, gr
036797	5 × 50.0	410 × 0.40	41.8	53.0	383.5	gn / ye, bl, br, black, gr

## Equipment connection leads



### Assortment GIFAFLEX

Plug	Size No. of poles×mm <sup>2</sup>	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	3m	010815 ✓	043475 ✓	012441 ✓	047960 ✓	047958	047964		IP20
		5m	010816 ✓	047961 ✓	010825 ✓	018970 ✓	017352 ✓	011964 ✓	020875 ✓	IP20
		10m	010817 ✓							IP20
		15m	013389 ✓							IP20
		20m	106828 ✓							IP20
		25m	029258 ✓							IP20
	2×1.5	3m	010840 ✓	037207	037208	037209	037210 ✓			IP20
		5m	010841 ✓	037211 ✓	037212 ✓	021298 ✓	037213 ✓		020876 ✓	IP20
		10m	025984 ✓							IP20
CH type 12	3×1.0	3m	010828 ✓	047978 ✓	012442 ✓	018969	047981	047983 ✓		IP20
		5m	010829 ✓	047979 ✓	012443 ✓	018966 ✓	047982 ✓	029725 ✓	047985 ✓	IP20
		10m	010830 ✓							IP20
		30m	053822 ✓							IP20
	3×1.5	3m	010843 ✓	037214 ✓	037215 ✓	037216	037217 ✓	010849 ✓		IP20
		5m	010844 ✓	010850 ✓	019605 ✓	021297 ✓	022330 ✓	037218 ✓		IP20
		10m	010845 ✓							IP20
		25m	059891 ✓							IP20
		30m	018361 ✓							IP20
		35m	044189 ✓							IP20
		50m	056821 ✓							IP20
CH type 23	3×1.5	5m	043041 ✓							IP20
	3×1.5	10m	043043 ✓							IP20
D safety contact plug	3×1.5	3m	054089 ✓							IP20
		5m	050296 ✓							IP20
		10m	050297							IP20
CH type 11	2×1.0	3m	242044							IP55
	2×1.0	5m	242045 ✓							IP55
	2×1.0	10m	242054 ✓							IP55
	2×1.5	3m	242047							IP55
	2×1.5	5m	242046 ✓							IP55
CH type 13	3×1.0	5m	242049 ✓							IP55
	3×1.0	10m	242051 ✓							IP55
	3×1.5	3m	242052 ✓							IP55
	3×1.5	5m	242053 ✓							IP55
	3×1.5	10m	242050 ✓							IP55
	3×1.5	25m	242058 ✓							IP55
	3×1.5	30m	242055 ✓							IP55
	3×1.5	50m	242056 ✓							IP55



## Extension cable



### Assortment GIFAFLEX / PROFLEX

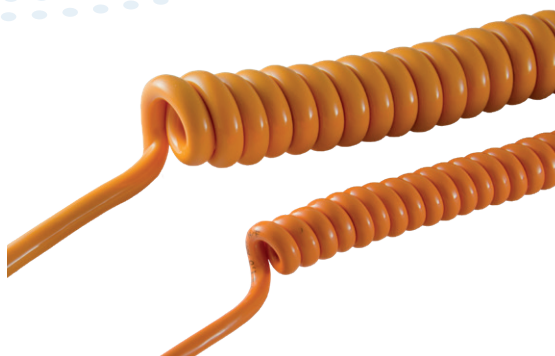
5 m	10 m	20 m	Cable	Plug	Version Plug/connector	Size No. of poles×mm <sup>2</sup>	Protection category
010869 ✓			GIFAFLEX	T12/T13 230V	Vulcanised	3×1.0	IP20
010871 ✓	010872 ✓	011855 ✓	GIFAFLEX	T12/T13 230V	Vulcanised	3×1.5	IP20
050323	050328 ✓	050329	GIFAFLEX	CEE 16/3 230V	Plastic mounted	3×1.5	IP44
050330 ✓	050331 ✓	050332 ✓	GIFAFLEX	CEE 16/5 400V	Plastic mounted	5×2.5	IP44
082907 ✓	066842 ✓	081054 ✓	GIFAFLEX	CEE 32/5 400V	Plastic mounted	5×4.0	IP44
067326 ✓	066421 ✓	066521 ✓	GIFAFLEX	CEE 32/5 400V	Plastic mounted	5×6.0	IP44
026777 ✓	026778 ✓	026779	GIFAFLEX	CEE 16/5 400V	Solid rubber mounted	5×2.5	IP44
037676	037677 ✓	037678	GIFAFLEX	CEE 32/5 400V	Solid rubber mounted	5×4.0	IP44
036078	064513	056850	GIFAFLEX	CEE 32/5 400V	Solid rubber mounted	5×6.0	IP44
228481	228490 ✓	228494	GIFAFLEX	T13/T13 230V	Plastic mounted	3×1.5	IP55
228482	228491	228495	GIFAFLEX	T23/T23 230V	Plastic mounted	3×1.5	IP55
228462	228466 ✓	228468	GIFAFLEX	T15/T15 400V	Plastic mounted	5×1.5	IP55
227960 ✓	227961 ✓	228026	GIFAFLEX	T25/T25 400V	Plastic mounted	5×1.5	IP55
	050274	050275	PROFLEX	CEE 16/3 230V	Plastic mounted	3×1.5	IP44
	050279 ✓	050281 ✓	PROFLEX	CEE 16/5 400V	Plastic mounted	5×2.5	IP44
	087029	081368 ✓	PROFLEX	CEE 32/5 400V	Plastic mounted	5×4.0	IP44
	050284 ✓	050285 ✓	PROFLEX	CEE 32/5 400V	Plastic mounted	5×6.0	IP44
	050262	050264	PROFLEX	CEE 16/5 400V	Solid rubber mounted	5×2.5	IP44
	037679	037680	PROFLEX	CEE 32/5 400V	Solid rubber mounted	5×4.0	IP44
	050267 ✓	050268	PROFLEX	CEE 32/5 400V	Solid rubber mounted	5×6.0	IP44
	050256	050257	PROFLEX	Schuko 230V	Solid rubber mounted	3×1.5	IP54
	078445 ✓	045048 ✓	PROFLEX	CEE 63/5 400V	Plastic mounted	5×10.0	IP67
	050288 ✓	050289 ✓	PROFLEX	CEE 63/5 400V	Plastic mounted	5×16.0	IP67



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

5 m	10 m	20 m	Plug/connector	Version Plug/connector	Size No. of poles×mm <sup>2</sup>	Protection category
228506 ✓	228521 ✓	228527 ✓	T13/3×T13	Plastic mounted	3×1.5	IP55
228507	228522	228528	T23/3×T23	Plastic mounted	3×1.5	IP55
228508 ✓	228523	228529	T15/3×T13	Plastic mounted	5×1.5	IP55
228509 ✓	228524	228530	T25/3×T23	Plastic mounted	5×1.5	IP55

# Spiral cable



These spiral cables are characterised by long-lasting retraction force (even in daily use under difficult conditions). High notch toughness, resistance to acids and alkalis, UV and weather resistance are further features.

## Applications

Robotics/electrical hand tools (drills, screwdrivers)/heavy-duty machines/lifting platforms/lights

## Technical data

Operating voltage U <sub>0</sub> /U:	300/500 V to 1.0 mm <sup>2</sup> , 450/750 V from 1.5 mm <sup>2</sup>
Test voltage:	3'000 V
Temperature range:	-30° C to +80° C
Strand/casing:	PVC/PUR
Casing colour:	orange

## Assortment

Item no.	Size No. of poles × mm <sup>2</sup>	Strand structure Number × mm	External-Ø ~mm	Turning length mm	Useable length mm	Free ends mm
010790 ✓	3 × 1.0	32 × 0.2	7.2	800	3'200	300
010791 ✓	3 × 1.0	32 × 0.2	7.2	1'200	4'800	300
012766 ✓	5 × 1.0	32 × 0.2	9.0	800	3'200	200
010792* ✓	3 × 1.5	30 × 0.25	8.7	800	3'200	300
010793 ✓	3 × 1.5	30 × 0.25	8.7	1'200	4'800	300
010767 ✓	4 × 1.5	30 × 0.25	9.5	800	3'200	200
015036 ✓	5 × 1.5	30 × 0.25	10.3	500	2'000	200
010795 ✓	5 × 1.5	30 × 0.25	10.3	800	3'200	200
011925 ✓	5 × 1.5	30 × 0.25	10.3	1'200	4'800	200
010796 ✓	7 × 1.5	30 × 0.25	12.5	700	2'800	200
010797 ✓	4 × 2.5	50 × 0.25	10.8	800	3'200	200

\* Casing: 05BQ-F

# Cable for intrinsically safe systems

## Spiral cable STY-PVC/PUR



The PVC/PUR spiral cables are suitable for special applications in control, measurement and regulation technology in intrinsically safe systems. The concentric stranding with static shielding prevents interference in the transmission area. The poly-fleece banding guarantees optimum, 100% shielding at low and medium frequencies and filters external electrical interference.

### Applications

Damp rooms (no outdoor applications)/heating and air conditioning technology/measuring and control cables in machine tool construction

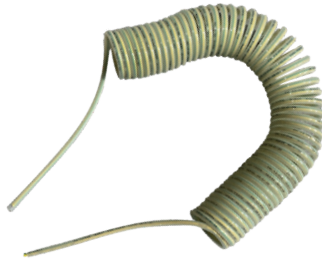
### Technical data

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 $U_0/U$ :	max. 500 V
Insulation resistance:	> 100 MΩm/km
Test voltage:	wire/wire 3'000 V, wire/shield 2'500 V
Temperature range:	
– moves:	–5°C to +70°C
– inactive:	to –30°C

### Assortment

Item no.	Size No. of poles × mm <sup>2</sup>	Turning length mm	Free ends mm	External-Ø ~mm	Useable length mm
056377 ✓	2 × 0.75	600	200	6.7	1'800
044836 ✓	2 × 0.75	1'200	500	6.7	3'600

# Spiral ground cable



This very special spiral earthing cable has been developed for potential equalisation (earth connection). A fine-stranded earth wire (yellow-green) is guided loosely in a transparent polyurethane hose. This product is designed to fulfil the highest safety requirements and to be ready for use under extreme conditions.

## Applications

Regulation, measurement, control and laboratory technology/chemical industry/medical and electrical engineering/automotive industry/apparatus engineering/pneumatics and hydraulics/food industry

## Technical data

Operating voltage  $U_0/U$ : 450/750 V  
Test voltage: 2'500 V  
Temperature range:  $-5^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$   
Tensile strength: min. 12.5 N/mm<sup>2</sup>  
Reissdehnung: min. 150%  
Casing colour: yellow/green

## Assortment

Item no.	Size No. of poles×mm <sup>2</sup>	Strand structure Number×mm	External-Ø ~mm	Turning length mm	Useable length mm
012517 ✓	1×6.0	52×0.38	13.0	500	5'000
031341 ✓	1×6.0	52×0.38	13.0	1'000	10'000



## Assembled spiral ground cable



We have created various standard assemblies for frequently required applications. The earthing clamp and the cable lug used are carefully selected. The connection points are cleanly and permanently sealed using shrink tubing.

### Assortment

Item no.	Component fitting start/end	Strand structure No. of poles×mm <sup>2</sup>	Turning length mm	Useable length mm
021034 ✓	Grounding tongs/grounding tongs	1×6.0	500	5'000
032179	Grounding tongs/grounding tongs	1×6.0	1'000	10'000
016180 ✓	Ground chuck/cable lug ø 8mm	1×6.0	500	5'000
032180 ✓	Ground chuck/cable lug ø 8mm	1×6.0	1'000	10'000

# Crane and elevator cables

## Crane cable GIFAPLAST-2TY



An optimally dimensioned supporting element made out of natural fibre with high tensile strength forms the centre of the cable as a strain relief and neutral core element. In multi-layer cable constructions, textile separating layers prevent unwanted adhesion. Flame retardant to IEC 60332-1-2, oil resistant to EN 60811-404, good chemical, heat and mechanical resistance, UV resistant.

### Applications

Lifting gear/transport and conveyor systems/in dry and damp rooms/outdoors/max. 2 weeks without interruption in process water

### Technical data

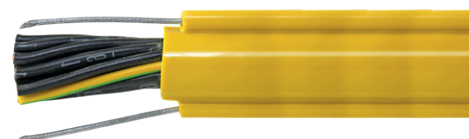
Cable:	Conductor of tin-plated copper wires, to VDE 0295, cl. 5
Insulation:	rubber compound
Strand identification:	from 6 strands: black with white numbers
Temperature range:	moves: $-25^{\circ}\text{C}$ to $+80^{\circ}\text{C}$
Bend radius:	$6.25 \times D$ ( $D$ = cable $\varnothing$ )
Operating voltage:	$U_0/U$ 600/1'000 V
Test voltage:	4'000 V
Insulation resistance:	$> 20 \text{ MOhm/km}$
Carrying force:	up to 55 kg (dead weight must be observed)
Casing colour:	rubber compound colour black

### Assortment

Item no.	Size No. of poles $\times \text{mm}^2$	Strand structure Number $\times \text{mm}$	External- $\varnothing$ ~mm	Weight ~kg/100 m
204102	18 $\times$ 1.5	30 $\times$ 0.25	23.9	77.0

# Crane and elevator cables

## Crane cable GIFAPLAST-2TY with 2 lateral steel cables



GIFAPLAST-2TY is a control cable with two steel cables embedded laterally in the outer sheath. The cable therefore has a significantly higher tensile load capacity and is largely free of axial torsion. The resulting tensile forces are absorbed by two torsion-free steel cables, which are connected to the outer sheath parallel to the axis. Gifaplast-2TY has a robust, cold-resistant and weatherproof outer sheath.

### Applications

On control and push-button switches of crane and conveyor systems/in steelworks/unsupported shaft line/high-bay racking systems

### 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 $12 \times D$ ( $D$ = cable Ø)
Operating voltage $U_0/U$ :	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 colour:	PVC, TM2, YM2, to VDE 0207, part 5, colour yellow

### Assortment

Item no.	Size No. of poles $\times$ mm <sup>2</sup>	Strand structure Number $\times$ mm	External-Ø ~mm	Weight ~kg/100m
041756	18 $\times$ 1.0	57 $\times$ 0.15	17.0/32.0	52.8

# Hospital box

according to EN 60601-1



## Applications

In areas used for medical purposes in group 0, 1 and 2 in accordance to the SN HD 60364-7-710 standard

## Technical data

Colour: silver anodised  
Dimensions: housing exterior 400×110×78mm (W×H×D), mass of holes 380×85×8mm (W×H×Diam.)

## Product features

- tested according to:
  - EN 60601-1 (Medical electrical equipment),
  - SN HD 60364-7-710 (Requirements for premises, rooms and installations of a special nature – areas used for medical purposes),
  - EN 61439-1 (Low-voltage switchgear and controlgear assemblies)
- protection class IP20
- IP20 socket with hinged cover
- additional potential equalisation
- plug-in and plug-out protection available
- modular accessories available
- aluminium housing with mounting brackets
- corrosion-resistant
- UV-resistant and halogen-free
- resistant to ageing and temperature
- flame retardant

## Available on request

- IP20 socket without hinged cover
- IP55 socket with hinged cover

## Assortment

254431 ✓ Hospital box aluminium, 4×T13 (IP20 with hinged cover), 5×Pot. equal., PE+zSPA connected

254432 Hospital box aluminium, 4×T13 (IP20 with hinged cover), 5×Pot. equal., PE+zSPA **not** connected

Hospital equipment cable  
Item no. 159691, 133036, 133037



Hospital equipment cable  
Item no. 143790



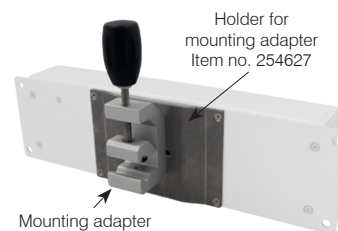
Safety clip  
Item no. 255596



Plug-in protection  
Item no. 254629



Plug-out protection  
Item no. 254628



Mounting adapter  
Item no. 024630

Holder for  
mounting adapter  
Item no. 254627

## Accessories/spare parts

- 159691 ✓ Hospital equipment cable 3×1.5 black L = 1.5m T12, T113 straight
- 133036 ✓ Hospital equipment cable 3×1.5 black L = 2.5m T12, T113 straight
- 133037 ✓ Hospital equipment cable 3×1.5 black L = 4.5m T12, T113 straight
- 143790\* ✓ Hospital equipment cable 3×1.5 black L = 4.5m T12, T113 right-angle plug
- 255596 ✓ Safety clip, pull-out safety device for angled cable plug
- 254629 ✓ Plug-in protection, IP20
- 254628 ✓ Plug-out protection, IP20
- 024630 ✓ Aluminium mounting adapter for hospital profile
- 254627 ✓ Aluminium holder for hospital box for hospital profile item no. 024630
- 031122 ✓ UP cover frame size 1, anthracite, IP20
- 254046 ✓ UP cover frame size 1, with hinged cover, anthracite, IP20

\* in combination with item no. 255596



# Hospital equipment cable/Potential distributor box

## Hospital equipment cable



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.

### Technical data

Operating voltage:	450/750V
Test voltage:	2'500V/50 Hz
Temperature range:	-40° C to +90° C
Minimum bend radius:	10×D (D = cable diameter)
External diameter:	10.5mm
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

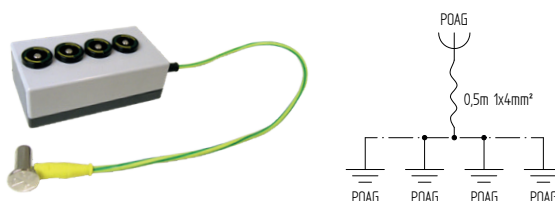
### Product features

- tested in accordance with EN 60601-1 (medical electrical equipment)
- 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 4mm<sup>2</sup>
- very short cleaning time
- 100% free of silicone and latex

### Assortment

133036	✓	GIFAS Hospital equipment cable PUR 3×1.5mm <sup>2</sup> black L = 2.5 m with PE 4mm <sup>2</sup> , POAG, plug T12, connector Typ 113
133037	✓	GIFAS Hospital equipment cable PUR 3×1.5mm <sup>2</sup> black L = 4.5 m with PE 4mm <sup>2</sup> , POAG, plug T12, connector Typ 113
143790	✓	GIFAS Hospital equipment cable PUR 3×1.5mm <sup>2</sup> black L = 4.5 m, with PE 4mm <sup>2</sup> , POAG, plug T12, connector Typ 113, right-angle plug
133038	✓	GIFAS Hospital equipment cable PUR 3×1.5mm <sup>2</sup> black L = 2.7 m with PE 4mm <sup>2</sup> , POAG, plug T12, for direct connection
133039	✓	GIFAS Hospital equipment cable PUR 3×1.5mm <sup>2</sup> black L = 4.7 m with PE 4mm <sup>2</sup> , POAG, plug T12, for direct connection
195544	✓	GIFAS Hospital equipment cable PUR 3×1.5mm <sup>2</sup> black L = 4.5 m with PE 4mm <sup>2</sup> , POAG, plug Typ 23, connector C19
195545	✓	GIFAS Hospital equipment cable PUR 3×1.5mm <sup>2</sup> black L = 4.7 m, with PE 4mm <sup>2</sup> , POAG, plug Typ 23, for direct connection

## Potential distributor box



The POAG distribution box connects metallic parts of an electrical installation in order to minimise voltage differences and thus reduce safety risks.

### Assortment

072443	✓	Potential distributor box 4×MC-POAG, 0.5m connector w/POAG
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# Information about the cable crossover assortment

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To protect your cables from strain and increase the safety of pedestrians and road users, we offer a balanced standard range of top-quality cable crossovers, which are often used at major events and functions. Other possible applications are typically found in installations for industrial applications and in the mobile sector for construction companies and emergency services.

## Highest quality

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All cable crossovers are made of polyurethane in fire protection class B2 (according to DIN 4102) and are therefore resistant to oil, acid and petrol. The working range is  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ . The hardness range is 88 Shore  $\pm$  4A. The cable jumpers comply with the standards EN 61537:2007; (IEC 61537:2006) in accordance with the provisions of Directive 73/23/EEC (Low Voltage Equipment).

## Customer printing

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The cable crossovers can be printed with your company name/logo (according to your specifications) from 30 pieces.

## Shop

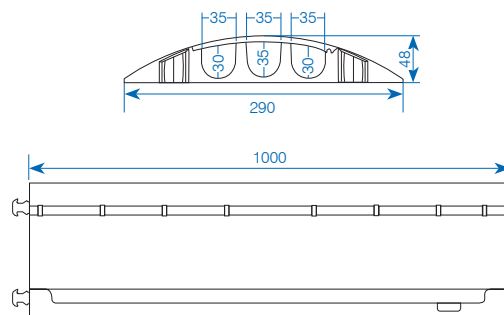
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- ✓ = from stock, offer subject to prior sale
- other dimensions/versions available on request
- various accessories and spare parts available

# Cable crossovers SMART, 3 channels

for cable max. Ø 30 mm



## Technical data

Material lower section:	polyurethane, black
Material lid black:	polyurethane, yellow
max. load:	~2'000 kg / 400 cm <sup>2</sup>
Length:	1'000 mm
Width:	290 mm
Height:	48 mm
Channels:	3
Weight:	5.6 kg

## Special features

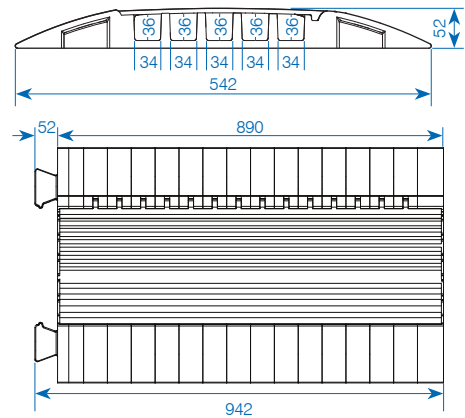
- non-slip cable crossovers made from recyclable polyurethane
- self-cleaning lid hinge
- resistant to oil, acid, petrol and brief contact with solvents
- yellow polyurethane lid with high warning effect and secure locking mechanism
- fire protection class E in accordance with DIN EN 13501-1
- end pieces as accessories
- customised labelling possible (from 30 pieces)
- not suitable for road traffic

## Assortment

032295 ✓	Cable crossovers SMART, 3 channels, 1'000×290×48 mm
109667 ✓	End ramp with groove
109668 ✓	End ramp with plug

# Cable crossovers MIDI, 5 channels

for cable max. Ø 34 mm



## Technical data

Material lower section:	polyurethane, black
Material lid black:	polyurethane, yellow
max. load:	~5'000 kg/ 750 cm <sup>2</sup>
Length:	890 mm
Width:	542 mm
Height:	52 mm
Channels:	5
Weight:	12 kg

## Special features

- heavy-duty, non-slip cable crossovers made from recyclable polyurethane
- integrated carrying handles
- self-cleaning lid hinge
- resistant to oil, acid, petrol and brief contact with solvents
- fire protection class B2 (DIN 4102)
- 45° bend and end piece as accessories
- customised labelling possible (from 30 units)

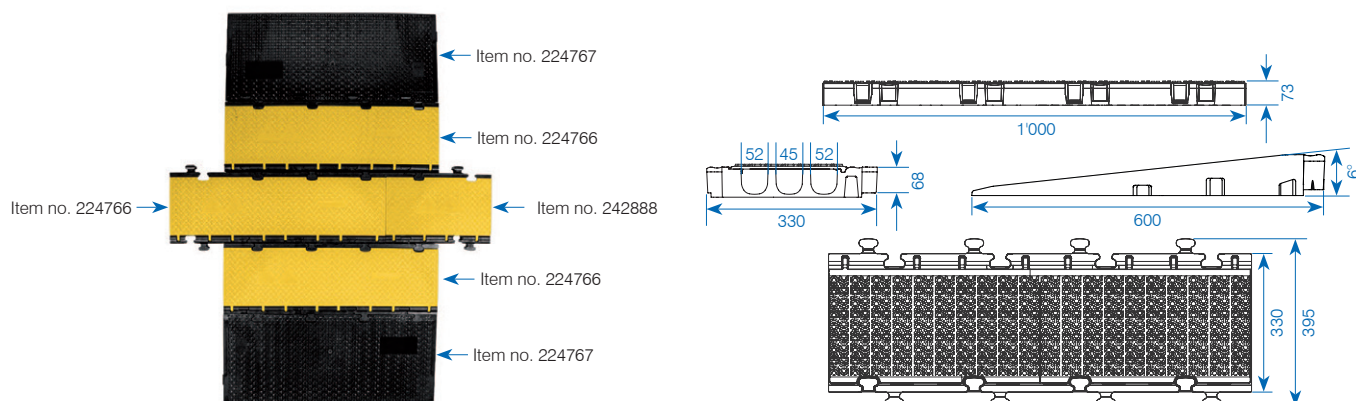
## Assortment

016031	✓ Cable crossovers MIDI, 5 channels, 890×542×52 mm
020840	✓ Curve 45° for MIDI (incl. 1 pair connecting pin)
020841	End ramp for MIDI



# Cable crossovers DEFENDER 3 2D, 3 channels

modular, wheelchair accessible



## Technical data

Material lower section:	polyurethane, black
Material lid black:	polyurethane, yellow
max. load:	~5'000 kg / 750 cm <sup>2</sup>
Dimensions:	
– 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
Channel height:	2 ×: 52 × 49 mm / 1 ×: 45 × 50 mm
Weight:	
– Item no. 224766:	13.8 kg
– Item no. 242888:	6.6 kg
– Item no. 224767:	15.6 kg

## Special features

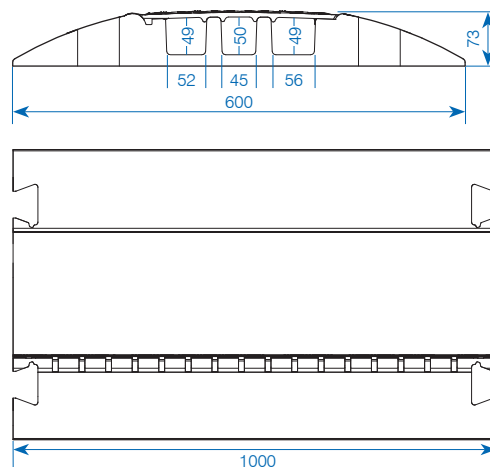
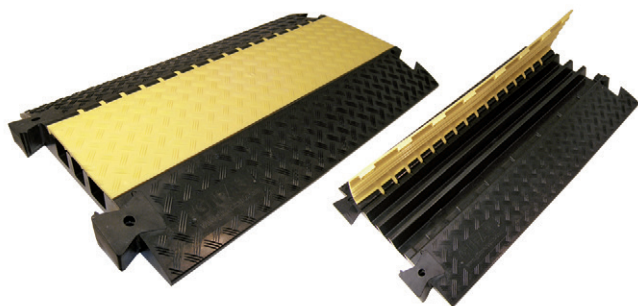
- heavy-duty cable crossovers with 3D laser grip anti-slip surface made from recycled polyurethane
- simple, multidirectional modular assembly with unlimited expandability in width and length
- made from extremely robust and shatterproof TPU
- recyclable polyurethane lid with secure locking mechanism and patented self-cleaning lid hinge
- fire protection class E in accordance with DIN EN 13501-1

## Assortment

224766	✓	Cable crossovers DEFENDER 3 2D, 3 channels, modular system, middle part, 1'000 × 330 × 73 mm
242888	✓	Cable crossovers 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 crossovers STANDARD, 3 channels

for cable max. Ø 49 mm



## Technical data

Material lower section:	polyurethane, black
Material lid black:	polyurethane, yellow
max. load:	~5'000 kg / 750 cm <sup>2</sup>
Length:	1'000 mm
Width:	600 mm
Height:	73 mm
Channels:	3
Weight:	22 kg

## Special features

- heavy-duty, non-slip cable crossovers made from recyclable polyurethane
- integrated carrying handles
- self-cleaning lid hinge
- resistant to oil, petrol and short term contact with solvents
- yellow polyurethane lid with high warning effect and secure locking mechanism
- fire protection class E in accordance with DIN EN 13501-1
- 45° bend, end piece and connecting spigot as accessories
- customised labelling possible (from 30 units)

## Assortment

059553 ✓ Cable crossovers STANDARD, 3 channels, 1'000×600×73 mm

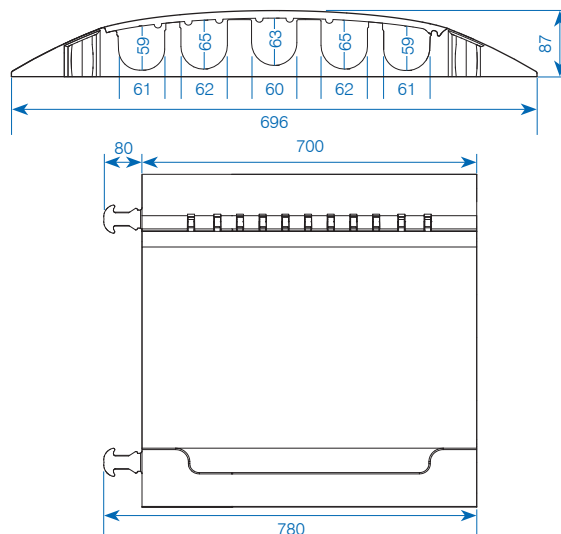
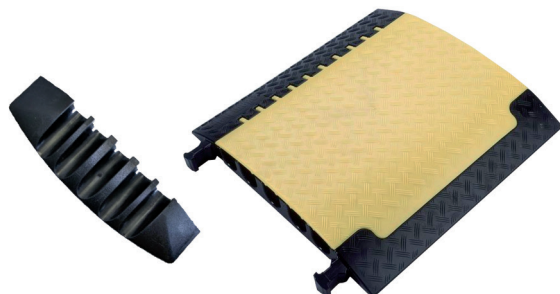
059554 ✓ End ramp for STANDARD

018359 ✓ Curve 45° for STANDARD (incl. 1 pair connecting pin)

059556 ✓ Connecting pin for STANDARD

# Cable crossovers MAXI, 5 channels

for cable max. Ø 62 mm



## Technical data

Material lower section:	polyurethane, black
Material lid black:	polyurethane, yellow
max. load:	~5'000 kg / 750 cm <sup>2</sup>
Length:	700 mm
Width:	696 mm
Height:	87 mm
Channels:	5
Weight:	20.4 kg

## Special features

- heavy-duty cable crossovers made from recyclable polyurethane
- integrated carrying handles
- self-cleaning lid hinge
- suitable for C-hose couplings
- non-slip yellow polyurethane lid with high warning effect and secure locking mechanism
- resistant to oil, acid, petrol and brief contact with solvents
- fire protection class B2 (DIN 4102)
- end piece as accessory
- customised labelling possible (from 30 units)

## Assortment

- |        |   |  |
|--------|---|--|
| 023212 | ✓ | Cable crossovers MAXI, 5 channels, 700×696×87 mm |
| 023213 | ✓ | End ramp for MAXI                                |



**THE  
SOLUTION  
PARTNER**

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