

Flexible conduits for electrical wiring protection



HELIPLAST



art. no.	Ø inside mm	Ø outside mm	no.	bending radius mm	weight kg/m (±10 %)	reeled length (m)
77007 *	9,5	12,5	7 *	14	0,051	25
77009	11,4	15,5	9	16	0,065	25
77011	14,7	18,7	11	20	0,082	25
77013	16,2	20,4	13,5	22	0,105	25
77016	18,0	22,5	16	24	0,135	25
77021	23,0	27,6	21	30	0,178	25
77029	30,5	36,1	29	38	0,250	25
77036	40,1	46,8	36	48	0,375	25
77048	52,0	59,5	48	60	0,550	25

(*) no standardized

Description

Highly flexible conduit of rigid PVC spiral core with soft PVC cover, thus allowing a bending radius equal to its outside diameter. Light, self extinguishing, watertight and insulating.

Material

Rigid and shock-resistant PVC for the spiral core and plasticized PVC for the cover.

Properties

Colour: grey RAL 7000.

Working temperature: from -5° C up to +70° C.

Degree of protection according to EN 60529: IP 66.

Good resistance to chemical agents.

Applications

Mechanical and watertight protection of electrical wiring in machinery and other mobile installations.

Connectors

Straight connectors metric male thread:

JUDODIX ref. 337124 to 337634.

HELIFIX ref. 341570 to 345070.

Straight connectors metric female thread:

JUDODIX ref. 627124 to 627634.

HELITROPIC



art. no.	Ø inside mm	Ø outside mm	no.	bending radius mm	weight kg/m (±10 %)	reeled length (m)
75007 *	9,5	12,5	7 *	14	0,051	25
75009	11,4	15,5	9	16	0,065	25
75011	14,7	18,7	11	20	0,082	25
75013	16,2	20,4	13,5	22	0,105	25
75016	18,0	22,5	16	24	0,135	25
75021	23,0	27,6	21	30	0,178	25
75029	30,5	36,1	29	38	0,250	25
75036	40,1	46,8	36	48	0,375	25
75048	52,0	59,5	48	60	0,550	25

(*) no standardized

Description

Highly flexible conduit of rigid PVC spiral core with soft PVC cover, thus allowing a bending radius equal to its outside diameter. Light, self extinguishing, watertight and insulating.

Material

Rigid and shock-resistant PVC for the spiral core and plasticized PVC for the cover.

Properties

Colour: black RAL 9005.

Working temperature: from -5° C up to +70° C.

Degree of protection according to EN 60529: IP 66.

Good resistance to chemical agents.

Applications

Mechanical and watertight protection of electrical wiring in machinery and other mobile installations.

Connectors

Straight connectors metric male thread:

JUDODIX ref. 337124 to 337634.

HELIFIX ref. 341570 to 345070

Straight connectors metric female thread:

JUDODIX ref. 627124 to 627634.

Description

Flexible metal conduit of shaped strip rolled in a spiral. Self extinguishing adapted flexible PVC covering.
Special profile to avoid the spirals pinching the coating.
Shielded. Watertight.

Material

Cold rolled DC 01 + ZE 50/50 (2 x 36 g/m² Zn) quality steel strip according to EN 10152.
Electro-galvanized on both sides.
High quality, flexible PVC coating.
Also available in stainless steel on request.

Properties

Colour: grey RAL 7000.
Working temperature: from -10° C up to +70° C (PVC).
Degree of protection according to EN 60529: IP 66.
Good resistance to chemical agents.

Applications

Mechanical and watertight protection of electrical wiring in machinery and other mobile installations.
High frequency shield.

Connectors

Straight connector metric male thread:
JUDODIX ref. 330124 to 330634.
Straight connector metric female thread:
JUDODIX ref. 620124 to 620634.



art. no.	Ø inside mm	Ø outside mm	no.	bending radius mm	weight kg/m (±10 %)	reeled length (m)
99007 *	9,2	12,6	7 *	30	0,108	25
99009	11,3	15,2	9	38	0,207	25
99011	14,4	18,6	11	52	0,244	25
99013	16,2	20,4	13,5	54	0,268	25
99016	17,9	22,5	16	60	0,297	25
99021	23,0	28,3	21	72	0,400	25
99029	30,4	37,0	29	76	0,580	25
99036	39,4	47,0	36	102	0,835	25
99048	51,8	60,0	48	115	1,140	20

(*) no standardized

Description

Flexible metal conduit of shaped strip rolled in a spiral. Self extinguishing adapted flexible PVC covering.
Special profile to avoid the spirals pinching the coating.
Shielded. Watertight.

Material

Cold rolled DC 01 + ZE 50/50 (2 x 36 g/m² Zn) quality steel strip according to EN 10152.
Electro-galvanized on both sides.
High quality, flexible PVC coating.
Also available in stainless steel on request.

Properties

Colour: black RAL 9005.
Working temperature: from -10° C up to +70° C (PVC).
Degree of protection according to EN 60529: IP 66.
Good resistance to chemical agents.

Applications

Mechanical and watertight protection of electrical wiring in machinery and other mobile installations in hard environmental conditions.
High frequency shield.

Connectors

Straight connector metric male thread:
JUDODIX ref. 330124 to 330634.
Straight connector metric female thread:
JUDODIX ref. 620124 to 620634.



art. no.	Ø inside mm	Ø outside mm	no.	bending radius mm	weight kg/m (±10 %)	reeled length (m)
96007 *	9,2	12,6	7 *	30	0,108	25
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96013	16,2	20,4	13,5	54	0,268	25
96016	17,9	22,5	16	60	0,297	25
96021	23,0	28,3	21	72	0,400	25
96029	30,4	37,0	29	76	0,580	25
96036	39,4	47,0	36	102	0,835	25
96048	51,8	60,0	48	115	1,140	20

(*) no standardized

HELIFIX CONNECTOR AND METRIC THREAD

Description

Plastic material connector made up of a cylindrical body with a hex base for spanner tightening, male fastening thread and a helical shoulder in an internal cavity for conduit fastening.

Specifications

Polyamide 6,6, dark grey.
Use temperature: -30°C - +100°C approx.
Protection grade IP65 to EN 60529
(conduit + connector assembly).
Metric thread to EN 60423.

Applications

FASTENING OF HELIPLAST AND HELITROPIC type HELICAL FLEXIBLE CONDUITS.



Helifix

art. no.		conduit	M	thread	spanner	thread length	total height	inside Ø	weight g
grey	black	no.	thread						
341570	341560	9	16x1,5	19	7	18,5	8,0	3	
342070	342060	11	20x1,5	22	8	20,0	11,0	4	
342770	342760	13,5	20x1,5	24	8	21,0	13,5	5	
342570	342560	16	25x1,5	27	9	22,5	15,5	6	
343270	343260	21	32x1,5	32	10	26,5	19,5	9	
344070	344060	29	40x1,5	41	12	30,5	27,0	16	
345070	345060	36	50x1,5	55	14	34,5	36,0	25	

JUDODIX CONNECTOR WITH INSULATING TERMINAL AND METRIC THREAD

Description

Metal connector made up of three parts: the body with the fastening thread in male (AMM) or female (AHM) version and hex base with spanner flats, head with hex flange with spanner flats, plastic material sealing and insulating terminal.

Specifications

Nickel-plated brass metal parts.
Polyethylene seal.
Use temperature: -40°C - + 70°C approx.
(polyethylene).
Protection grade IP65 to EN 60529
(conduit+ connector assembly).
Metric thread to EN 60423.

Applications

FASTENING OF HELIPLAST AND HELITROPIC type HELICAL PLASTIC FLEXIBLE CONDUITS.



Judodix AMM (male thread)

art. no.	conduit no.	M thread	spanner (body)	spanner (head)	thread length	total height	inside Ø	weight g
339104	6	10x1,0	14	15	6	17,5	5,8	-
337124	7	12x1,5	17	19	6	16,2	7,5	11,3
337164	9	16x1,5	20	22	6	18,5	9,2	17,0
337204	11	20x1,5	24	26	7	20,0	11,9	24,0
337224	13,5	20x1,5	26	28	7	20,2	13,6	27,0
337254	16	25x1,5	28	30	8	22,0	15,3	32,6
337324	21	32x1,5	36	36	8	24,5	20,2	56,5
337404	29	40x1,5	45	47	10	29,5	26,7	95,3
337504	36	50x1,5	58	60	11	37,0	34,6	176,0
337634	48	63x1,5	70	74	15	47,5	45,3	330,0
339904	G 3"	90x2,0	110	120	22	73,0	72,0	-
339994	G 4"	110x2,0	140	150	22	81,5	97,0	-

Judodix AHM (female thread)

art. no.	conduit no.	M thread	spanner (body)	spanner (head)	thread length	total height	inside Ø	weight g
629104	6	10x1,0	14	15	6	17,5	5,8	-
627124	7	12x1,5	17	19	6	16,2	7,5	11,6
627164	9	16x1,5	20	22	6	18,5	9,2	17,0
627204	11	20x1,5	24	26	7	20,0	11,9	22,7
627224	13,5	20x1,5	26	28	7	20,2	13,6	25,8
627254	16	25x1,5	28	30	8	22,0	15,3	29,8
627324	21	32x1,5	36	36	8	24,5	20,2	48,7
627404	29	40x1,5	45	47	10	29,5	26,7	84,4
627504	36	50x1,5	58	60	11	37,0	34,6	165,4
627634	48	63x1,5	70	74	15	47,5	45,3	295,0
629904	G 3"	90x2,0	120	120	22	73,0	72,0	-
629994	G 4"	110x2,0	140	150	22	81,5	97,0	-

JUDODIX CONNECTOR WITH GROUND CONNECTION AND METRIC THREAD

Description

Metal connector made up of four parts: the body with the fastening thread in male (CMM) or female (CHM) version and hex base with spanner flats, head with hex flange with spanner flats, ground connection bush and plastic material sealing ring.

Specifications

Nickel-plated brass metal parts.
Polyethylene seal.
Use temperature: -40°C - + 70°C approx.
(polyethylene).
Protection grade IP65 to EN 60529
(sealed conduit + connector assembly).
Metric thread to EN 60423.

Applications

FASTENING AND GROUND CONTINUITY OF ECOPLAST, INTERFLEX, INTERFLEX-INOX, INTERPLAST, ONDAPLAST AND ONDATROPIC TYPE FLEXIBLE METAL CONDUITS.

Judodix CMM (male thread)

art. no.	conduit no.	M thread	spanner (body)	spanner (head)	thread length	total height	inside Ø	weight g
336104	6	10x1,0	14	15	6	17,5	5,8	-
330124	7	12x1,5	17	19	6	16,2	7,5	14,0
330164	9	16x1,5	20	22	6	18,5	9,2	21,0
330204	11	20x1,5	24	26	7	20,0	11,9	31,0
330224	13,5	20x1,5	26	28	7	20,2	13,6	33,8
330254	16	25x1,5	28	30	8	22,0	15,3	41,4
330324	21	32x1,5	36	36	8	24,5	20,2	72,8
330404	29	40x1,5	45	47	10	29,5	26,7	125,8
330504	36	50x1,5	58	60	11	37,0	34,6	238,4
330634	48	63x1,5	70	74	15	47,5	45,3	487,0
336904	G 3"	90x2,0	110	120	22	73,0	72,0	-
336994	G 4"	110x2,0	140	150	22	81,5	97,0	-

Judodix CHM (female thread)

art. no.	conduit no.	M thread	spanner (body)	spanner (head)	thread length	total height	inside Ø	weight g
626104	6	10x1,0	14	15	6	17,5	5,8	-
620124	7	12x1,5	17	19	6	16,2	7,5	14,3
620164	9	16x1,5	20	22	6	18,5	9,2	21,0
620204	11	20x1,5	24	26	7	20,0	11,9	29,3
620224	13,5	20x1,5	26	28	7	20,2	13,6	32,3
620254	16	25x1,5	28	30	8	22,0	15,3	38,5
620324	21	32x1,5	36	36	8	24,5	20,2	60,5
620404	29	40x1,5	45	47	10	29,5	26,7	115,0
620504	36	50x1,5	58	60	11	37,0	34,6	227,7
620634	48	63x1,5	70	74	15	47,5	45,3	452,0
626904	G 3"	90x2,0	120	120	22	73,0	72,0	-
626994	G 4"	110x2,0	140	150	22	81,5	97,0	-



LOCKNUTS

Description

Hexagonal locknuts with spanner flats and female thread for fastening the connectors at non-threaded cable inputs, usually in metal plate or plastic housings.



Metal locknuts

Specifications
Nickel-plated brass.
Use temperature: + 800°C.
Metric thread to EN 60423.

Plastic locknuts

Specifications
Polyamide 6.6, dark grey.
Use temperature: -30°C - + 100°C approx.
Metric thread to EN 60423.



Metal hexagonal locknut

art. no.	M thread	spanner	thread length	weight g
221090	10x1,0	12	2,5	1,0
311205	12x1,5	15	2,8	2,1
311605	16x1,5	19	2,8	2,8
312005	20x1,5	24	3,0	4,9
312505	25x1,5	30	3,5	8,8
313205	32x1,5	36	4,0	11,0
314005	40x1,5	46	5,0	23,6
315005	50x1,5	60	5,0	33,0
318305	63x1,5	70	6,0	44,3
229094	90x2,0	100	10,0	190,0

Metal hexagonal locknut (equipotential)

art. no.	M thread	spanner	thread length	weight g
229104	10x1,0	12	3,1	1,2
229124	12x1,5	14	3,6	2,2
229164	16x1,5	18	3,6	3,0
229204	20x1,5	23	3,6	5,1
229554	25x1,5	28	3,6	9,1
229324	32x1,5	36	4,1	11,3
229404	40x1,5	44	4,6	24,0
229504	50x1,5	54	4,6	34,0
229634	63x1,5	70	6,6	45,0

Plastic hexagonal locknut

art. no.	M thread	spanner	thread length	weight g
271282	12x1,5	17	5	1,0
271682	16x1,5	22	5	1,0
272082	20x1,5	26	6	1,5
272582	25x1,5	32	6	2,0
273282	32x1,5	42	7	3,0
274082	40x1,5	52	7	5,0
275082	50x1,5	62	9	15,0
276382	63x1,5	78	9	25,0

INTERFLEX