

TEAFLEX

December 2011

Flexible Conduit

The advertisement features a central image of various TEAFLEX flexible conduit products, including black and grey corrugated hoses, metal and plastic fittings, and elbows. The background is a blue gradient with light streaks. In the top left corner, the TEAFLEX logo is displayed with the tagline 'industrial cable protection'. A red-bordered box in the lower right of the image contains the text: 'CONDUIT SOLD IN FULL ROLL QUANTITIES or 5M INCREMENTS- LPU ONLY (Cutting fee applies per length)'. At the bottom left of the image, the TEAFLEX logo and website 'www.teaflex.com' are visible.

Cable Care
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LPU Liquid Tight Conduit

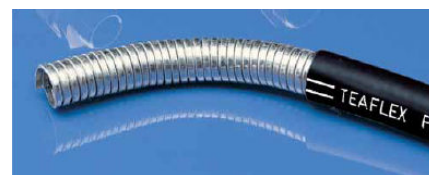
IP67

Construction: Galvanized carbon steel flexible conduit with single seam and polyurethane cover (liquid tight)

Colour: Black

Typical Applications: Machine tools or outdoor installations where liquid tight is a requirement

- High mechanical strength and good flexibility
- IP rating: IP67
- Excellent resistance to atmospheric agents, oils and salt air, mineral acids
- To increase mechanical protection and for acute curves without risk of scratching the internal sheathing conduits with the internal diameter exceeding 40mm are produced with internal coils completely closed
- Temperature range -50°C to +105°C
- Self extinguishing (UL94)
- Smooth, wipe clean outer cover
- UV resistant and suitable for external use
- Nickel plated brass or stainless steel fittings



Hamer Code	Part No.	Roll Length (m)	Nominal Size (mm)	Outside Dia (mm)	Inside Dia (mm)	Min Inside Bend Radius (mm)
FL3016	LPU12	50	16	17.0	12.0	60
FL3020	LPU15	50	20	21.0	15.5	70
FL3025	LPU20	50	25	27.0	20.5	90
FL3032	LPU27	25	32	34.0	26.5	120
FL3040	LPU35	20	40	41.0	35.0	150
FL3050	LPU40	20	50	48.0	40.0	250

*SOLD IN FULL ROLL QTY or 5M INCREMENTS *Cutting fee applies (per cut)*

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LPU Liquid Tight Straight Fittings

IP67

Type C External Thread Nickel Plated Brass Multipart compression fitting including nylon seal. Can be used for knockouts or threaded entries as fitting rotates until tightened.

Hamer Code	Part No.	Thread
FL3516	CMMF12M16	M16
FL3518	CMMF12M20	M20
FL3520	CMMF15M20	M20
FL3525	CMMF20M25	M25
FL3532	CMMF27M32	M32
FL3540	CMMF35M40	M40
FL3550	CMMF40M50	M50



LPU Liquid Tight Elbow Fittings

IP67

Type C External Thread Nickel Plated Brass Multipart compression fitting including nylon seal. Can be used for knockouts or threaded entries as fitting rotates until tightened.

Hamer Code	Part No.	Thread
FL3320	CMCC15M20	M20
FL3325	CMCC20M25	M25
FL3332	CMCC27M32	M32



Brass Locknuts - For LPU conduit

Hamer Code	Part No.	Thread
FL2612	DM12	M10
FL2616	DM16	M16
FL2620	DM20	M20
FL2625	DM25	M25
FL2632	DM32	M32
FL2640	DM40	M40
FL2650	DM50	M50
FL2663	DM63	M63



QUICK REFERENCE GUIDE LPU CONDUIT- FITTINGS

LPU LIQUID TIGHT CONDUIT				STRAIGHT FITTING			ELBOW JOINTS			LOCKNUTS		
Hamer Code	Part No.	Nominal Size (mm)	Inside Dia. (mm)	Hamer Code	Part No.	Thread	Hamer Code	Part No.	Thread	Hamer Code	Part No.	Thread
FL3016	LPU12	16	12.0	FL3516	CMMF12M16	M16				FL2612	DM12	M10
				FL3518	CMMF12M20	M20	FL3320	CMCC15M20	M20	FL2616	DM16	M16
FL3020	LPU15	20	15.5	FL3520	CMMF15M20	M20				FL2620	DM20	M20
FL3025	LPU20	25	20.5	FL3525	CMMF20M25	M25	FL3325	CMCC20M25	M25	FL2625	DM25	M25
FL3032	LPU27	32	26.5	FL3532	CMMF27M32	M32	FL3332	CMCC27M32	M32	FL2632	DM32	M32
FL3040	LPU35	40	35.0	FL3540	CMMF35M40	M40				FL2640	DM40	M40
FL3050	LPU40	50	40.0	FL3550	CMMF40M50	M50				FL2650	DM50	M50
										FL2663	DM63	M63



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ECO Nylon Conduit

IP66

Typical application for type FPAS conduit and fittings includes security cameras.

Construction: High-grade, specially formulated polyamide 6 (nylon) corrugated flexible conduit- halogens and cadmium free.

Colour: Black- UV resistant

Typical Applications: All types of machinery, public buildings

- High flexible and high fatigue life
- Temperature range – 40°C to 105°C
- Good weather and UV resistance
- Good mechanical strength (compression / impact)
- Self-extinguishing and halogen-free
- IP rating: IP66 with 6BSM and 6BBN fittings
- UL approval
- Abrasion resistant
- Highly resistant to solvents and oils



Hamer Code	Part No.	Colour	Pitch	Roll Length (m)	Nominal Size (mm)	Outside Dia. (mm)	Inside Dia. (mm)	Min Inside Bend Radius (mm)
FL6010	ECO07B	Black	F	50	10	10.0	6.2	15
FL6013	ECO10B	Black	F	50	13	13.0	9.6	20
FL6016	ECO12B	Black	F	50	16	15.8	12.0	30
FL6021	ECO17B	Black	F	50	21	21.2	16.2	40
FL6028	ECO23B	Black	F	50	28	28.5	22.6	45
FL6034	ECO29B	Black	F	50	34	34.5	29.0	55
FL6042	ECO36B	Black	F	30	42	42.5	36.5	60
FL6054	ECO48B	Black	F	30	54	54.5	48.5	70

F = Fine Pitch

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ECO Nylon Straight Fittings

IP66

Type M Straight external nylon moulded fittings. One piece, fast fit, external threaded fitting. Suitable for knockouts or threaded entries.

Temperature Rating: -40°C ~ 105°C.

[Short Term; 150°C]

IP Rating: IP66 *static*, IP54 *dynamic*



Hamer Code	Part No.	Colour	Nominal Size (mm)	Thread
FL6110	6BSM07M12	Black	10	M12
FL6113	6BSM10M16	Black	13	M16
FL6116	6BSM12M16	Black	16	M16
FL6121	6BSM17M20	Black	21	M20
FL6128	6BSM23M25	Black	28	M25
FL6134	6BSM29M32	Black	34	M32
FL6142	6BSM36M40	Black	42	M40
FL6154	6BSM48M50	Black	54	M50

PATENTED JAW FIT SYSTEM: ECO

Correct installation for IP66 rating



IP66



Push in and twist the conduit inside the fitting, ensuring the conduit is pushed fully to the end



Pull back the conduit slightly to ensure that the JAW-FIT System is fully engaged



Use an appropriate tool to reopen

ECO Nylon 90° Elbow Fittings

IP67

Type M 90° elbow external nylon moulded fittings. One piece, fast fit, external threaded 90° elbow fitting. Suitable for knockouts.

Temperature Rating: -40°C ~ 105°C.

[Short Term; 150°C]

IP Rating: IP66 *static*, IP54 *dynamic*



Hamer Code	Part No.	Colour	Nominal Size (mm)	Thread
FL6716	6BBN12M16	Black	16	M16
FL6721	6BBN17M20	Black	21	M20
FL6728	6BBN23M25	Black	28	M25
FL6734	6BBN29M32	Black	34	M32

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ECO Nylon Tube Clamp

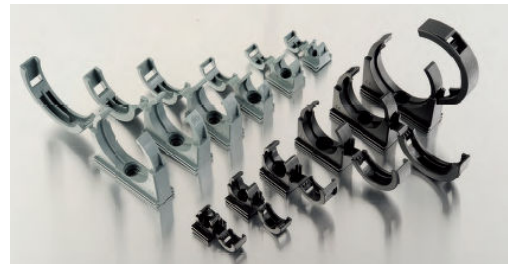
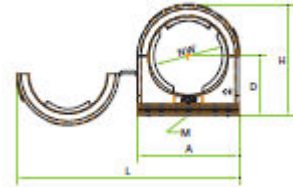
SC Tube clamps made by TEAFLEX are manufactured from highgrade, specially formulated polyamides. These polyamides are self-extinguishing, free of halogen, phosphor and cadmium. Extremely shock and chemicals agents resistant.

The advantages are as follows:

- One-piece tube clamp with integrated safety clip.
- Quick mounting.
- Especially suitable for reverse overhead installations.
- High grade of strain relief and retaining forces due to integrated rib both parts
- Fits both profile conduits C (Coarse) / F (Fine).
- Fits to support rail SR.
- The safety clip can be easily reopened with a screwdriver.

Suitable for industrial and electro technical installation applications as well as for increased requirements in heavy industry and railway applications.

Temperature Rating: -40°C ~ 105°C. [Short Term; 150°C]



Hamer Code	Part No.	Colour	Nominal Size (mm)
FL4113	BSC10	Black	10
FL4116	BSC12	Black	12
FL4121	BSC17	Black	17
FL4128	BSC23	Black	23
FL4134	BSC29	Black	29
FL4144	BSC36	Black	36



ECO Nylon Locknuts

Temperature Rating: -40°C ~ 105°C.

Hamer Code	Part No.	Colour	Thread
FL6616	DPN16M	Black	M16
FL6621	DPN20M	Black	M20
FL6628	DPN25M	Black	M25
FL6634	DPN32M	Black	M32
FL6642	DPN40M	Black	M40
FL6654	DPN50M	Black	M50



ECO Nylon Fitting Tool

Hamer Code	Part No.	Description
FL6210	OT0748	Nylon JAW fitting Tool Only
FL6220	AST - OT0748	Nylon JAW fitting Tool and Pouch Kit



CHEMICAL RESISTANCE DATA SHEET FOR POLYAMIDE

A S T M-Oil No.1 - 20°C ●	Glucose, diluted ●	Propane, fluid ●
A S T M-Oil No.2 - 20°C ●	Glycerine, diluted ●	Sea water ●
A S T M-Oil No.3 - 20°C ●	Hydraulic oils ●	Silic acid, diluted ●
Acetone ●	Hydraulic oils based on phosphate ●	Skydrol ●
Ammonia ●	Hydrochloric acid, diluted ■	Soap solution ●
Animal oil and fats ●	Hydrogen ●	Soda lye ●
Arsenic acid, diluted ●	Kitchen salt, diluted ●	Sodium chloride ●
Beer ●	Lactic acid, diluted ▲	Spark-erosion liquids ●
Benzene ●	Lead acetate, diluted ▲	Starch, diluted ●
Benzine ●	Methyl-acetate ●	Stearic acid ●
Borax, diluted ●	Methyl-ethyl ●	Sulphurate of carbon ●
Boron acid, diluted ▲	Methyl-ethyl ketone ●	Sulphuric acid, diluted ■
Calcium chloride, diluted ■	Methyl-wood alcohol ▲	Suphurated hydrogen ●
Carbonic acid, diluted ●	Mineral oil without additions ●	Tallow ●
Cupric sulphate, diluted ▲	Nitric acid, diluted ■	Tartaric acid, diluted ●
Cyanide, diluted ●	Nitro ●	Toluene ●
Diesel oil ●	Oil and fats based on silicone ●	Transformer oil ●
Ethyl acetate ●	Oil and fats, vegetable ●	Trichlore-ethylene ▲
Ethyl alcohol, diluted ●	Ozone ▲	Turpentine ●
Fatty acid ■	Perchlorated of ethylene ▲	Vinegar and acid of vinegar, diluted ●
Ferric chloride, diluted ▲	Petroleum ●	Xylo ●
Formic acid, diluted ■	Phosphoric acid, diluted ■	zinc sulphate, diluted ▲
Fruit juices ●	Potash lye, diluted ●	
Fuel oil ●		



QUICK REFERENCE GUIDE

ECO CONDUIT- FITTINGS

ECO NYLON CONDUIT				STRAIGHT FITTING			
Hamer Code	Part No.	Nominal Size (mm)	Inside Dia. (mm)	Hamer Code	Part No.	Nominal Size (mm)	Thread
FL6010	ECO07B	10	6.2	FL6110	6BSM07M12	10	M12
FL6013	ECO10B	13	9.6	FL6113	6BSM10M16	13	M16
FL6016	ECO12B	16	12.0	FL6116	6BSM12M16	16	M16
FL6021	ECO17B	21	16.2	FL6121	6BSM17M20	21	M20
FL6028	ECO23B	28	22.6	FL6128	6BSM23M25	28	M25
FL6034	ECO29B	34	29.0	FL6134	6BSM29M32	34	M32
FL6042	ECO36B	42	36.5	FL6142	6BSM36M40	42	M40
FL6054	ECO48B	54	48.5	FL6154	6BSM48M50	54	M50

QUICK REFERENCE GUIDE

ECO CONDUIT- FITTINGS

ELBOW FITTING				TUBE CLAMPS			LOCKNUTS		
Hamer Code	Part No.	Nominal Size (mm)	Thread	Hamer Code	Part No.	Nominal Size (mm)	Hamer Code	Part No.	Thread
				FL4113	BSC10	10			
FL6716	6BBN12M16	16	M16	FL4116	BSC12	12	FL6616	DPN16M	M16
FL6721	6BBN17M20	21	M20	FL4121	BSC17	17	FL6621	DPN20M	M20
FL6728	6BBN23M25	28	M25	FL4128	BSC23	23	FL6628	DPN25M	M25
FL6734	6BBN29M32	34	M32	FL4134	BSC29	29	FL6634	DPN32M	M32
				FL4144	BSC36	36	FL6642	DPN40M	M40
							FL6654	DPN50M	M50



GL PVC Conduit

IP67

Spiral PVC flexible wall conduit, with PVC stiff spiral shock-resistance. Resistance to tensile and compression strength. It will resist years of use without wearing, excellent resistance to atmospheric agents, oils and salt air. Self-extinguishing according to UL94 V0.

Temperature range: -5°C +60°C

Compression strength: D ≤ 25% with 350N at 20°C.

Flexibility = its own diameter without squeezing and deforming. Smooth internal and external surface.



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Hamer Code	Part No.	Roll Length (m)	Nominal Size (mm)	Outside Dia. (mm)	Inside Dia. (mm)
FL8012	GL10N	30	12	14.7	10.0
FL8016	GL12N	30	16	16.4	12.0
FL8020	GL16N	30	20	20.7	16.0
FL8025	GL22N	30	25	27.7	22.0
FL8032	GL28N	30	32	33.5	28.0

SOLD IN FULL ROLL QTY ONLY



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GP Heavy Wall PVC Conduit

IP67

Heavy spiral PVC flexible wall conduit, with PVC stiff spiral shock-resistance suitable to guarantee high mechanical resistance to compression strength. It will resist years of use without wearing, excellent resistance to atmospheric agents, oils and salt air. Self-extinguishing according to UL94 V0.

Temperature range: -20°C +70°C

Compression strength: D ≤ 25% with 700N at 20°C.

Flexibility = 2.5 x i Ø D

Smooth internal and external surface.



Hamer Code	Part No.	Roll Length (m)	Nominal Size (mm)	Outside Dia. (mm)	Inside Dia. (mm)	Min inside Bend Radius (mm)
FL7012	GP10N	30	12	14.0	10.0	25
FL7016	GP12N	30	16	16.0	12.0	30
FL7020	GP16N	30	20	20.6	16.0	40
FL7025	GP22N	30	25	27.2	22.0	55
FL7032	GP28N	30	32	33.5	28.0	70

SOLD IN FULL ROLL QTY ONLY

GL PVC Straight Fittings

IP67

The properties of this fitting is that it can be used as revolving male or fixed male. By pushing the thread part down against the body of the fitting (the notch must be combined) the parts become one. The insert of OR in the hexagon of the threaded part yield the fitting perfectly liquid-tight. Self-extinguishing according to UL94 V0.

The fittings with GAS and ISO METRIC thread are equipped with locknut.

Hamer Code	Part No.	Thread
FL8516	GLMN12M16	M16
FL8520	GLMN16M20	M20
FL8525	GLMN22M25	M25
FL8532	GLMN28M32	M32



QUICK REFERENCE GUIDE CONDUIT- FITTINGS

PVC CONDUIT								STRAIGHT FITTING		
Hamer code	Part No.	Nominal size mm	Inside Dia. mm	Hamer code	Part No.	Nominal Size mm	Inside Dia. mm	Hamer Code	Part No.	Thread
FL8012	GL10N	12	10.0	FL7012	GP10N	12	10.0			
FL8016	GL12N	16	12.0	FL7016	GP12N	16	12.0	FL8516	GLMN12M16	M16
FL8020	GL16N	20	16.0	FL7020	GP16N	20	16.0	FL8520	GLMN16M20	M20
FL8025	GL22N	25	22.0	FL7025	GP22N	25	22.0	FL8525	GLMN22M25	M25
FL8032	GL28N	32	28.0	FL7032	GP28N	32	28.0	FL8532	GLMN28M32	M32

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