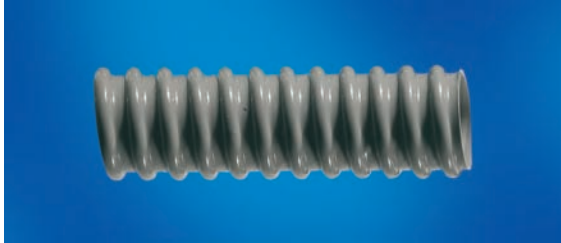


Cable conduits and conduit fittings

CONDUFLEX CONDUIT CF EL



Application

- The smooth inner wall fulfils the requirements in machine and plant construction

Properties

- Cable conduit from soft PVC
- With shrink-wrapped hard PVC spiral
- The hard PVC spiral is integrated into the conduit wall and thus gives the conduit a high degree of flexibility and form stability

Technical data

Smallest bending radius	1.5 × D
Temperature range	-20 °C to +60 °C
Burning behaviour	according to UL 94 V0

Design

- Colour grey

Part-No.	Type	suitable fitting Article number	Outer-∅ mm	Inner-∅ mm	Weight kg/100 m	shipment PU
CF EL grey						
270400	CF 8 EL	270500	12.1	8.0	5.0	30 m
270401	CF 12 EL	270501, 270551	16.4	12.0	7.5	30 m
270402	CF 16 EL	270552, 270502	20.7	16.0	10.0	30 m
270403	CF 20 EL	270503, 270553	25.0	20.0	12.5	30 m
270405	CF 28 EL	270505, 270555	33.8	28.0	21.0	30 m
270406	CF 35 EL	270506, 270556	41.0	35.0	24.0	30 m
270407	CF 40 EL	270507, 270557	46.4	40.0	34.0	30 m
270408	CF 50 EL	270508, 270558	57.2	50.0	45.0	30 m

Suitable conduit fitting:
Type CP EL, C EL and CPW

Cable conduits and conduit fittings

CONDUFIX CONDUIT CX PP



Application

- Vehicle and machine construction
- Electric and household appliance industries

Properties

- Two part conduit with circular, concentric and corrugated along the longitudinal axis
- Sealable slotted corrugated conduit, performs like a closed conduit
- Non-damaging and simple insertion of the cable through wide slotting
- Higher mechanical protection of the wires
- Filling degree up to 100% possible
- Emergence of individual conductors prevented even with the tightest bending radiuses
- Fire-protected
- Resistant to: acids, bases, inorganic salts, fuels, mineral oils, greases as well as the most common solvents
- Conditionally resistant to: ether
- Unstable against: halogenated, oxidising and aromatic bonds

Technical data

Smallest bending radius	5.0 × D
Temperature range	-40 °C to +135 °C
Burning behaviour	according to UL 94 V2 according to FMVSS 302, self-extinguishing

Design

- Colour black
- Material modified polypropylene with fire protection

Part-No.	Type	suitable fitting Article number	suitable conduit holder Article number	Outer-∅ mm	Inner-∅ mm	Weight kg/100 m	shipment PU
CX PP black							
271249	CX 12 PP	271248	270711	18.5	12.5	17.2	50 m
271250	CX 24 PP	271252	270713	30.8	23.4	11.8	50 m
271251	CX 31 PP	271253	270714	41.4	31.0	19.0	25 m
271254	CX 44 PP		270715	54.0	42.7	25.0	25 m

Cable conduits and conduit fittings

CONDUFLEX CONDUIT CF NM



Application

- For use as additional isolation of cables and wires for normal operational demands
- For protection against mechanical wear, moisture and contamination

Properties

- PVC protective conduit with smooth inner and outer surface.

Technical data

Smallest bending radius	2 × D
Temperature range	-5 °C to +80 °C
Shore hardness	75 D

Design

- Colour silver-grey

Part-No.	Type	suitable fitting Article number	Outer-∅ mm	Inner-∅ mm	Weight kg/100 m	shipment PU
CF NM						
271100	CF 5 NM		7.0	5.0	5.0	50 m
271101	CF 9 NM	270059	11.4	9.0	6.0	50 m
271102	CF 11 NM	270060	14.0	11.0	8.0	50 m
271103	CF 13 NM	270181, 270281, 270161	16.0	13.0	11.2	50 m
271104	CF 15 NM	270182, 270162	19.0	15.0	17.3	50 m
271105	CF 18 NM	270183, 270283, 270163, 270164	21.5	18.0	17.6	50 m
271106	CF 25 NM	270185, 270285, 270165	31.0	25.0	38.0	50 m
271107	CF 34 NM	270186, 270286	40.0	34.0	42.0	50 m

Cable conduits and conduit fittings

CONDUFLEX CONDUIT CF S



Application

- For use as additional isolation of cables and wires for normal operational demands
- With additional hot-dipped galvanised steel braid for protection from glowing metal parts e.g. during welding

Properties

- PVC conduit with smooth inner and outer surface and additional hot-dipped galvanised steel braid

Technical data

Smallest bending radius	2 × D
Oil resistance	good
Temperature range	-5 °C to +80 °C
Shore hardness	75 D
Steel braid	Wires Ø 22 mm

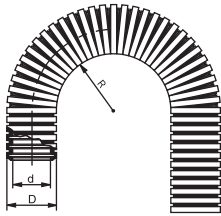
Design

- Colour grey

Part-No.	Type	suitable fitting Article number	Outer- \varnothing mm	Inner- \varnothing mm	Weight kg/100 m	shipment PU
CF S						
270010	CF 9 S	270059	12.0	9.0	16.0	50 m
270011	CF 13 S	270181, 270281	17.0	13.0	22.0	50 m
270012	CF 15 S	270182	20.0	15.0	30.0	50 m
270013	CF 18 S	270183, 270283	22.0	18.0	34.0	50 m
270015	CF 25 S	270185, 270285	32.0	25.0	58.0	50 m

Cable conduits and conduit fittings

CONDUFLEX CONDUIT CF V



Application

- Light up to heavy machine and plant construction
- As additional isolation of cables and wires
- For kinking strains with tight bend radii
- For protection against mechanical wear, moisture and contamination

Properties

- Largely smooth inside and outside. Light and flexible, abrasion-resistant, Ozone-, UV-, cold- and oil-resistant.

Technical data

Temperature range	-20 °C to +60 °C
Protection class	IP 67

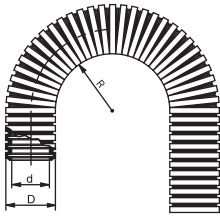
Design

- PVC-BUNA hose reinforced with hard PVC coil

Part-No.	NW	suitable fitting Article number	d mm	D mm	Minimum bending radius (fixed)	Weight kg/100 m	PU M
grey							
270030	9	270059,	9.0	13.0	33	8.5	50
270031	14	270181, 270281, 270161	14.0	18.6	62	14.0	50
270032	16	270182, 270533	16.0	20.6	62	15.0	50
270034	20	270184, 270574, 270163, 270164	20.0	24.8	68	20.5	50
270035	28	270185, 270285, 270165	28.0	33.2	104	27.5	50
270036	35	270186, 270286	35.0	41.0	140	33.5	50
270037	45	270067	45.0	51.4	215	51.0	50
270038	50	270068	50.0	56.6	242	59.0	50
270039	55	270069	55.0	62.0	290	65.0	50

Cable conduits and conduit fittings

CONDUFLEX CONDUIT CF VS



Application

- Light up to heavy machine and plant construction
- As additional isolation of cables and wires
- For kinking strains with tight bend radii
- The outer hot-dip galvanized steel wire braiding makes the hose particularly suitable for protection against hot metal particles, as well as mechanical wear, moisture and contamination.

Properties

- Largely smooth inside and outside. Light and flexible, abrasion-resistant, ozone-, UV-, cold- and oil-resistant.

Technical data

Temperature range	-20 °C to +60 °C
Protection class	IP 67

Design

- PVC-BUNA-hose with hard, reinforced-PVC-coil and with woven hot-dip galvanized steel wire.

Part-No.	suitable fitting Article number	NW	d mm	D mm	Minimum bending radius (fixed)	Weight kg/100 m	PU M
270050	270059,	9	9.0	14.0	33	16.5	50
270051	270181, 270281, 270161	14	14.0	19.6	62	24.0	50
270052	270182, 270533	16	16.0	21.6	62	27.0	50
270053	270184, 270574, 270163, 270164	20	20.0	25.8	68	34.5	50
270054	270185, 270285, 270165	28	28.0	34.2	104	28.5	50
270055	270186, 270286	35	35.0	42.0	140	91.0	50
270056	270067	45	45.0	52.4	215	105.0	50
270057	270068	50	50.0	57.6	242	124.0	50
270058	270069	55	55.0	63.0	290	183.0	50

Cable conduits and conduit fittings

WELLFLEX CONDUIT WF



Application

- Cabinet construction
- Suction line for gaseous media in the vacuum, ventilation and refrigeration industries.
- In swimming pool construction as well as in medical/chemical plant construction

Properties

- Circular, concentric and corrugated along the longitudinal axis
- High flexibility
- High restoring ability
- Resistant to: weak and organic acids, bases, inorganic salts, amines, alcohols and greases
- Conditionally resistant to: fuels and mineral oils
- Unstable against: strong acids, halogenated and oxidising connections, ketones, esters
- Smallest bending radius (neutral fibers) for a flattening of the outside $\varnothing \leq 5\%$

Technical data

Oil resistance	good
Melting point	+90 °C – 100 °C
Temperature range	-40 °C to +55 °C

Design

- Colour grey
- Material Ethylene-vinyl acetate copolymer (EVA)

Part-No.	Type	NW	suitable conduit holder Article number	Outer- \varnothing mm	Inner- \varnothing mm	Smallest bending radius	Weight kg/100 m	shipment PU
WF								
270115	WF 23	23	270125, 272234	28.0	22.5	65	18.0	50 m
270116	WF 29	29	270126, 272235	33.8	28.5	80	28.0	25 m
270117	WF 36	36	270127, 272236	41.7	33.8	105	36.0	25 m
270118	WF 47	48	270128, 272237	53.1	45.0	140	50.0	25 m

Yield stress: DIN 53455; 10–20 N/mm²
 Elongation at break: DIN 53455; 700 – 800 %
 E-Module: DIN 53457; 75 –105 N/mm²
 Impact resistance: DIN 53453; o.Br. mJ/mm²
 Notch impact strength DIN 53453; o-Br. mJ/mm²

Cable conduits and conduit fittings

Plastic conduit fitting Conduflex CP EL grey



Properties

- Plastic fitting consisting of fitting enclosure, clamp sealing ring and pressure screw, as well as Counter nut
- Position the clamp sealing ring so that it extends from the fitting enclosure before applying the pressure screw. Pressure screw presses the conduit and sealing ring in the lower piece of the fitting and ensure a good clamping and sealing effect.

Technical data

Temperature range	-20 °C to +60 °C
Burning behaviour	according to UL-94 V2
Protection class	IP 65

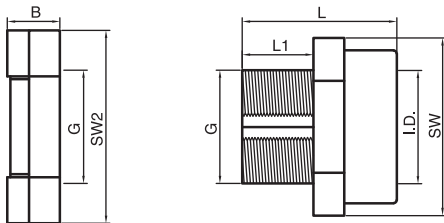
Design

- Material Polypropylene/polyamide
- Colour grey

Part-No.	Type	Matching conduit Article number	I.D. mm	weight approx. kg/100 piece	PU piece
CP EL metric grey					
270551	CP 12 EL M 16 × 1.5	270401; 270411	12.0	1.00	50
270552	CP 16 EL M 20 × 1.5	270402; 270412	16.0	1.80	50
270553	CP 20 EL M 25 × 1.5	270403; 270413	20.0	2.20	25
270555	CP 28 EL M 32 × 1.5	270405; 270415	28.0	3.70	20
270556	CP 35 EL M 40 × 1.5	270406; 270419	35.0	4.50	20
270557	CP 40 EL M 50 × 1.5	270407; 270417	40.0	6.20	10
270558	CP 50 EL M 63 × 1.5	270408; 270418	50.0	7.20	20
CP EL PG grey					
270500	CP 8 EL PG 7	270400	8.0	0.50	50
270501	CP 12 EL PG 13.5	270401; 270411	12.0	0.90	50
270502	CP 16 EL PG 16	270402; 270412	16.0	1.70	50
270503	CP 20 EL PG 21	270403; 270413	20.0	2.10	50
270505	CP 28 EL PG 29	270405; 270415	28.0	3.60	20
270506	CP 35 EL PG 36	270406; 270419	35.0	4.50	50
270507	CP 40 EL PG 42	270407; 270417	40.0	6.10	20
270508	CP 50 EL PG 48	270408; 270418	50.0	7.10	10

Cable conduits and conduit fittings

CONDUFIX Plastic fitting CX VS



Application

- Buildings, plants, apparatuses
- Machines, control cabinets and vehicle construction applications

Properties

- Connection fitting from PA 6 for the fast mounting of corrugated pipes
- Problem-free post-installation possible
- Axially openable and reclosable connection fitting with integrally moulded holding bars
- Separable nut with safety catch against unintentional opening
- Strain relief of the holding conduit through holding bars
- Resistant against: fuels, minerals, greases, alkalis as well as the most common solvents
- Conditionally resistant to: bases, also in diluted form
- Unstable against: acids, halogen and oxidising connections

Technical data

Protection class IP 43

Design

- Material PA 6.6
- Colour black

Part-No.	Type	Matching conduit Article number	G	I.D. mm	SW mm	SW 2 = across flats mm	L mm	L1 mm	B mm	weight approx. kg/100 piece	PU piece
CX VS											
271248	CX 12 VS	271249	PG 13.5	13.0	24	30	34.0	17	14.0	1.20	100
271252	CX 24 VS	271250	PG 29	24.0	41	46	42.0	21	17.0	1.30	50
271253	CX 31 VS	271251	PG 29	31.0	50	55	50.0	22	17.0	1.80	25

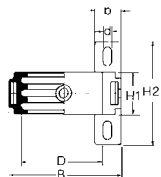
Cable conduits and conduit fittings

Plastic conduit holder WFH



- Properties**
- – halogen-free –
 - Conduit holder

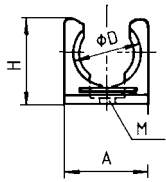
- Design**
- Material ABS
 - Colour grey



Part-No.	Type	Matching conduit Article number	Inner- \varnothing mm	d mm	B mm	b mm	H1 mm	H2 mm	weight approx. kg/100 piece	PU piece
WFH										
270125	WFH 23	270115	28.0	5.5	46.0	16.0	20.0	63.0	1.80	20
270126	WFH 29	270116	34.0	5.5	56.0	16.0	20.0	63.0	2.70	20
270127	WFH 36	270117	42.0	5.5	70.0	16.0	26.0	63.0	4.50	20
270128	WFH 47	270118	53.0	5.5	70.0	16.0	26.0	63.0	3.00	20

Cable conduits and conduit fittings

Plastic conduit holder SH



Application

- Suitable for all conduit types with corresponding outer diameter
- Secure attachment to e.g. floor, wall, ceiling, plates, housings and other machine parts
- Facilitates the running and/or retrofitting of wires/cables and reduces the installation time
- Installation of wires/cables in buildings, machines, switchgear, household appliances and motor vehicles

Properties

- A strain relief is achieved by an integrated serration in the clamp that also fixates the corrugated conduit in the axial direction
- Resistant to: fuels, mineral oils, greases, alkalis as well as the most common solvents
- Conditionally resistant to: bases, also in diluted solution
- Unstable against: acids, halogen and oxidising connections

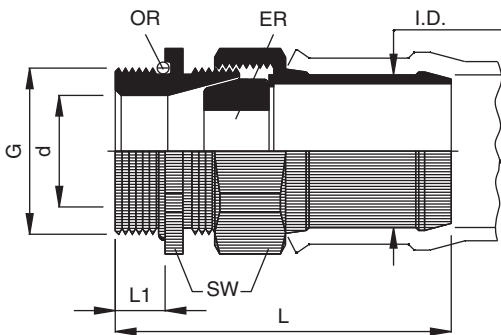
Design

- Colour black
- Material Polyamide 6, halogen-free, cadmium-free

Part-No.	Type	Matching conduit Article number	D mm	A mm	B mm	H mm	M mm	weight approx. kg/100 piece	PU piece
Holder for Condufix CX PP									
270711	SH 12 PP SW	271249	17.8	24.0	20.0	26.0	5	0.50	100
270713	SH 24 PP SW	271250	30.8	42.7	20.0	44.5	6	11.50	50
270714	SH 31 PP SW	271151	42.7	52.0	20.0	53.0	6	1.80	20
270715	SH 42 PP SW	271254	53.6	66.0	20.0	66.0	6	2.00	20

Cable conduits and conduit fittings

Metal conduit nipple CF WD



Properties

- Conduit nipple brass nickel-plated
- Oil and water proof
- WD hexagonal nut for additional sealing
- O-Ring for sealed connection to enclosure

Technical data

Protection class IP 65

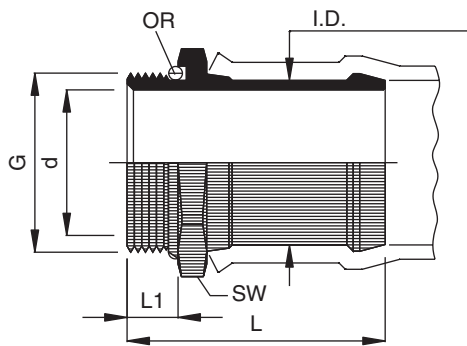
Design

- Material MS 58 Brass nickel-plated

Part-No.	Type	Matching conduit Article number	I.D. mm	G	d mm	SW mm	L mm	L 1 mm	weight approx. kg/100 piece	PU piece
CF WD metric										
270281	CF WD M 16 × 1.5	271103, 270011, 270031, 270051	13.0	M 16	11.0	17	34.0	6.0	2.70	50
270283	CF WD M 20 × 1.5	271105, 270013, 270034, 270053	18.0	M 20	16.0	24	43.0	6.5	5.00	50
270285	CF WD M 25 × 1.5	271106, 270015, 270035, 270054	25.0	M 25	23.0	32	55.0	8.0	12.00	50
270286	CF WD M 32 × 1.5	271107, 270016, 270036, 270055	34.0	M 32	30.0	40	63.0	8.0	18.00	25

Cable conduits and conduit fittings

Metal conduit nipple CF



Properties

- Conduit nipple brass nickel-plated
- O-Ring for sealed connection to enclosure

Technical data

Protection class IP 65

Design

- Material MS 58 Brass nickel-plated

Part-No.	Type	Matching conduit Article number	I.D. mm	G	d mm	SW mm	L mm	L 1 mm	weight approx. kg/100 piece	PU piece
CF PG										
270059	CF PG 7	270010, 270030, 270050	9.0	PG 7	7.0	17	25.0	6.0	1.22	50
270061	CF PG 9	270011, 270031, 270051	13.0	PG 9	11.0	19	28.0	6.0	1.60	50
270060	CF PG 9/7	270010, 270030, 270050	9.0	PG 9/7	7.0	19	19.0	6.0	1.57	50
270062	CF PG 11	270012, 270032, 270052	15.0	PG 11	14.0	22	29.0	6.0	1.85	25
270063	CF PG 13.5	270013, 271034, 270053	18.0	PG 13.5	16.0	24	34.0	6.5	2.70	25
270064	CF PG 16	270014, 270034, 270053	18.0	PG 16	17.0	27	36.0	6.5	3.40	25
270065	CF PG 21	270015, 270035, 270054	25.0	PG 21	23.0	32	41.0	8.5	5.70	25
270066	CF PG 29	270016, 270036, 270055	34.0	PG 29	30.0	41	41.0	8.5	9.00	1
270067	CF PG 36	270037, 270056	45.0	PG 36	38.5	55	60.0	10.0	22.00	1
270068	CF PG 42	270038, 270057	50.0	PG 42	44.0	60	65.0	12.0	29.00	1
270069	CF PG 48	270039, 270058	55.0	PG 48	49.0	65	70.0	12.0	35.60	1
CF M										
270130	CF M 12	270010, 270030, 270050	9.0	M 12	7.0	17	25.0	6.0	1.22	50
270131	CF M 16	270011, 270031, 270051	13.0	M 16	11.0	19	28.0	6.0	1.60	50
270132	CF M 20	270013, 271034, 270053	18.0	M 20	16.0	24	34.0	6.5	2.70	25
270133	CF M 25	270014, 270034, 270053	18.0	M 25	17.0	27	36.0	6.5	3.40	25
270134	CF M 32	270015, 270035, 270054	25.0	M 32	23.0	32	41.0	8.5	5.70	25
270135	CF M 40	270016, 270036, 270055	34.0	M 40	30.0	41	41.0	8.5	9.00	1
270136	CF M 50	270037, 270056	45.0	M 50	38.5	55	60.0	10.0	22.00	1
270137	CF M 63	270039, 270058	55.0	M 63	49.0	65	70.0	12.0	35.60	1

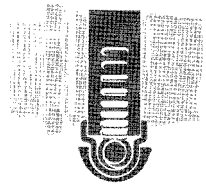
Cable conduits and conduit fittings

Metal conduit clamp SL



Properties

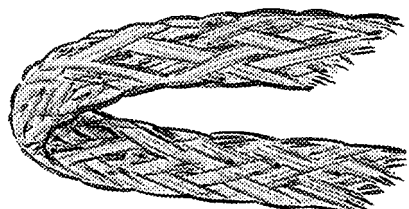
- Conduit clamp galvanised steel,
- Self-locking worm screw



Part-No.	Type	Width mm	Clamping range D mm	weight approx. kg/100 piece	PU piece
SL					
270086	SL 15	9.2	10.0 – 16.0	1.00	100
270080	SL 19	9.2	12.0 – 20.0	1.30	100
270081	SL 26	9.2	16.0 – 27.0	1.80	100
270082	SL 32	9.2	20.0 – 32.0	2.00	100
270083	SL 47	9.2	32.0 – 50.0	2.50	100
270084	SL 57	9.2	40.0 – 60.0	2.80	100
270085	SL 70	9.2	50.0 – 70.0	3.50	50

Cable conduits and conduit fittings

Cu grounding strap

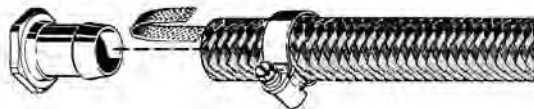


Application

- For use with steel wire encased conduit

Properties

- Copper band for ground



Part-No.	Type	Dimensions mm	weight approx. kg/100 piece	PU piece
Cu grounding strap				
270099	Copper grounding strap 1x2.5	5.8 × 1.0 mm = 2.5 mm ²	2.20	1