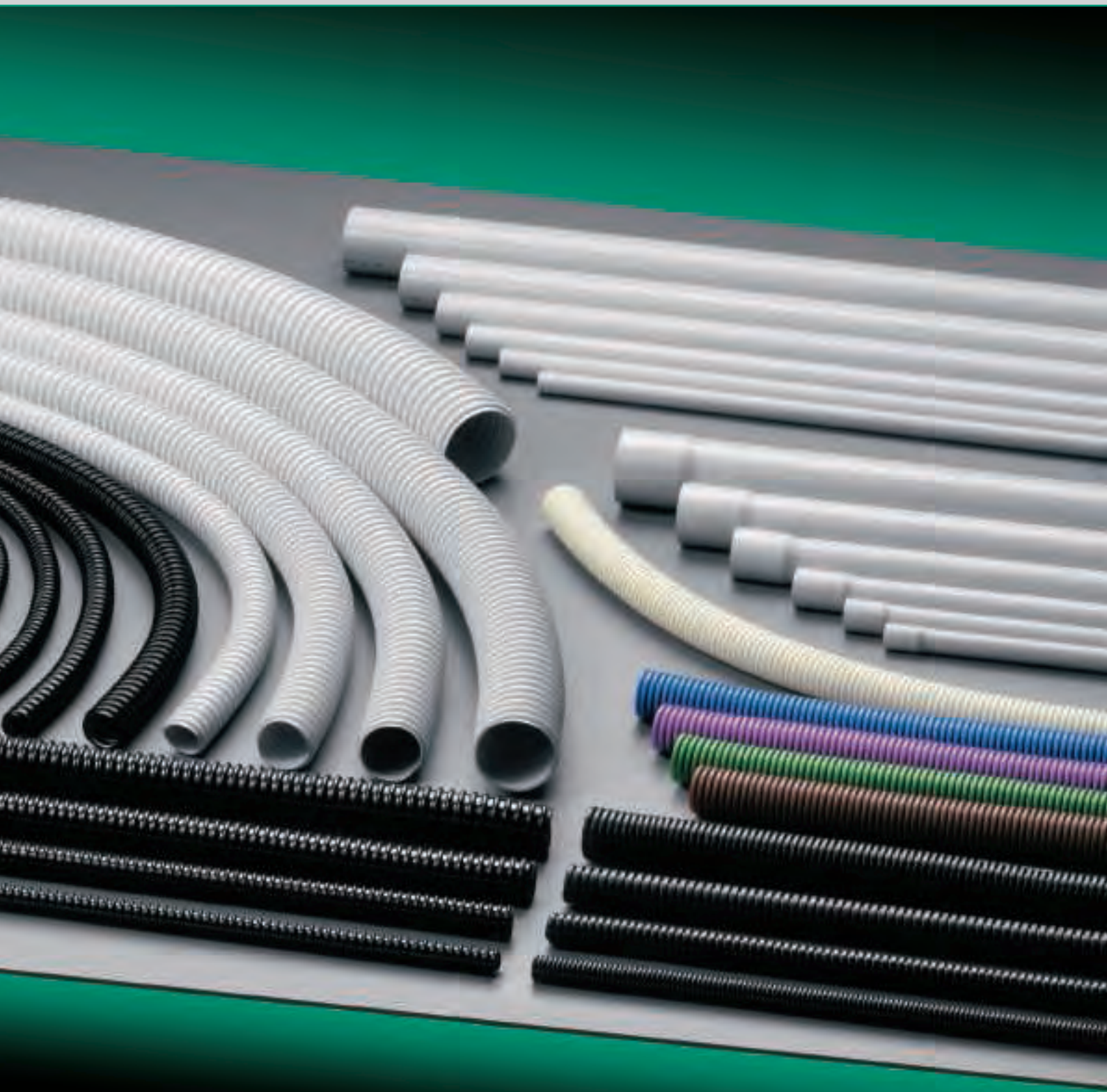


RIGID, CORRUGATED, SPIRAL FLEXIBLE CONDUITS



MAIN TECHNICAL FEATURES

Material: shock resistant technopolymer on rigid PVC base, halogen free PP or technopolymer.

Self-extinguishing V0 degree according to UL94 standard.

Resistance to abnormal heat (Glow Wire Test): 960° C.

Installation temperature : min. -5°/-25° C, max +60°/+90° C.

Insulating strength > 100 MΩ.

Standard colours: light grey RAL7035, orange RAL2004, dark grey RAL7030 RAL7037 or black RAL 9005.

Packed in coils on pallets, wrapped with plastic film or in bundles laying in wooden frames.

Reference Standards: EN 61386-1, EN 61386-21-22-23.

Products complying with the main requirements of the regulation B.T. 2006/96/CE.

Products complying with the regulation RoHS 2002/95/CE.



Rigid conduit systems with and without sleeve 3321/2221 Series TG15/TG12
page 288



HALOGEN
Free

Rigid halogen free conduit systems with and without sleeve 3342/2342 Series TG21/TG20
page 290



Pliable corrugated conduit systems 3321/2221 Series TC15-TC12
page 291



-25° C

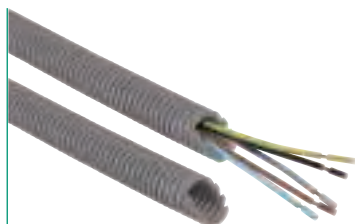


Pliable corrugated conduit systems 3341 Series TC18
page 293



HALOGEN
Free

Pliable corrugated PP conduit systems 2232/3422 Series TP12/TP15
page 294



Pliable corrugated PP conduit systems 3422 Series ICTA
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Spiral flexible conduit systems Series GFE
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TECHNICAL SPECIFICATION



The conduit-fitting systems, complying with the requirements of the Reference Standards EN 61386-1 and EN 61386-21, include plain or sleeved rigid conduits made of self-extinguishing technopolymer on rigid PVC base or halogen free raw materials according to the Standard EN50267-2-1 and EN 50267-1-2.

The halogen free conduits are strongly recommended for crowded places like airports, schools, theatres, tunnels, ecc, because they are characterized by a low very emission or

complete lack of toxic gases and of light smoke which doesn't prevent from locating the emergency exits and darkening the light sources.

The pliable conduits are available in two different versions: one manufactured with self-extinguishing (V0 according to the Standard UL94) technopolymer on PVC base and the other manufactured with self-extinguishing self-recovering halogen free polypropylene.

Great attention is given to the conduit packaging. Both the bundles of rigid conduits and the

coils of pliable conduits are wrapped in stretch film. The pallets are covered by white film, granting a very good protection against UV-rays and atmospheric agents. The pallets of pliable conduits also have a plastic hook on the top.

The range is completed by the spiral flexible conduits suitable for industrial as well as domestic uses thanks to their flexibility, resistance to compression, chemical agents, particularly oils and greases.

TECHNICAL SPECIFICATION

Rigid conduits diameters from 16 up to 63 mm, with plain or sleeved ends, in 2 mt or 3 mt lengths



Self-extinguishing version V0 or halogen free technopolymer with low emission of toxic gases

Pliable corrugated insulating conduits in different classifications and colours diameters from 16 up to 63 mm. Some types are available with draw tape as well



Some conduits are also available in 10 mt or 25 mt coils

The pliable corrugated self-covering self-extinguishing PP insulating conduits are halogen free, therefore ideal for public buildings



The spiral flexible conduits, available in grey or black, are the ideal solution for floating connections



Together with the accessories for the change of direction and the fixing, Elettrocanali rigid conduits form a system able to meet any distribution need both in industrial and domestic installations. In particular the several different accessories permit to join a rigid conduit with a spiral flexible conduit for installations of machineries, lighting, junction boxes.

The rigid conduits can be cold-bent by the proper steel springs. The pliable conduits offer the

installer a wide range of solutions according to the different installation requests: from the conduits to be installed under the wall, in black for standard circuits or in different colours for composite electrical systems, to the self-recovering self-extinguishing ICTA conduits particularly suitable for being put under the floor thanks to a permanent 10% deformation once the load is taken away. They can stand an installation temperature up to 90° C. ICTA

conduits are also available in the pre-wired version.

The pliable orange PP conduits series TP are appropriate for prefabrication thanks to the fact that they resist to the heat and recover their original diameter once the load is taken away, for instance when they are buried in concrete.

ELETTROCANALI has always used pure raw materials, which guarantees a high quality of the product and a same performances.

SELF-EXTINGUISHING RIGID INSULATING PVC CONDUITS **SERIES TG15**

MAIN TECHNICAL FEATURES:

- Material: shock resistant technopolymer on rigid PVC base.
- Self-extinguishing V0 degree according to UL94 standard.
- Compression resistance: 750 N.
- Classification: medium -3321 according to the Standard EN 61386-1, EN 61386-21.
- Available with plain ends or with 1 sleeve, in 2mt or 3mt length.
- Packed in bundles wrapped with transparent plastic film.



GREY RAL 7035

Self-extinguishing rigid insulating conduits class. 3321, in 3mt bars

ITEM	EXTERNAL DIAMETER mm	BAR LENGTH m	BUNDLE/MINIPALLET m
ECTG1516	16	3	102/3162
ECTG1520	20	3	102/2040
ECTG1525	25	3	60/1440
ECTG1532	32	3	30/840
ECTG1540	40	3	30/540
ECTG1550	50	3	15/360
ECTG1563	63	3	180

Self-extinguishing rigid insulating conduits class. 3321, in 2mt bars

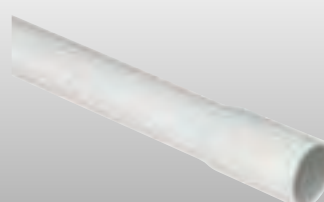
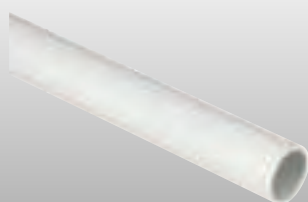
ITEM	EXTERNAL DIAMETER mm	BAR LENGTH m	BUNDLE/MINIPALLET m
ECTG1516-2	16	2	68/2108
ECTG1520-2	20	2	68/1360
ECTG1525-2	25	2	40/960
ECTG1532-2	32	2	20/560
ECTG1540-2	40	2	20/360
ECTG1550-2	50	2	10/240

Self-extinguishing rigid insulating conduits class. 3321, in 3mt bars, with sleeve

ITEM	EXTERNAL DIAMETER mm	BAR LENGTH m	BUNDLE/MINIPALLET m
ECTG1516B	16	3	75/3000
ECTG1520B	20	3	51/2040
ECTG1525B	25	3	51/1428
ECTG1532B	32	3	30/840
ECTG1540B	40	3	21/420
ECTG1550B	50	3	15/360
ECTG1563B	63	3	180

Self-extinguishing rigid insulating conduits class. 3321, in 2mt bars, with sleeve

ITEM	EXTERNAL DIAMETER mm	BAR LENGTH m	BUNDLE/MINIPALLET m
ECTG1516B-2	16	2	50/2000
ECTG1520B-2	20	2	34/1360
ECTG1525B-2	25	2	34/952
ECTG1532B-2	32	2	20/560
ECTG1540B-2	40	2	14/280
ECTG1550B-2	50	2	10/240



SELF-EXTINGUISHING RIGID INSULATING PVC CONDUITS **SERIES TG12**

MAIN TECHNICAL FEATURES:

- Material: shock resistant technopolymer on rigid PVC base.
- Self-extinguishing V0 degree according to UL94 standard.
- Compression resistance: 320 N.
- Classification: light -3321 according to the Standard EN 61386-1, EN 61386-21.
- Available with plain ends or with 1 sleeve, in 2mt or 3mt length.
- Packed in bundles wrapped with transparent plastic film.



GREY RAL 7035

Self-extinguishing rigid insulating conduits class. 2221, in 3mt bars

ITEM	EXTERNAL DIAMETER mm	BAR LENGTH m	BUNDLE/MINIPALLET m
ECTG1216	16	3	102/3162
ECTG1220	20	3	102/2040
ECTG1225	25	3	60/1440
ECTG1232	32	3	30/840
ECTG1240	40	3	30/540
ECTG1250	50	3	15/360

Self-extinguishing rigid insulating conduits class. 2221, in 2mt bars

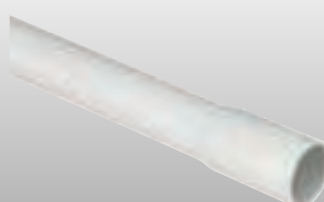
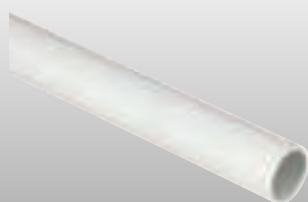
ITEM	EXTERNAL DIAMETER mm	BAR LENGTH m	BUNDLE/MINIPALLET m
ECTG1216-2	16	2	68/2108
ECTG1220-2	20	2	68/1360
ECTG1225-2	25	2	40/960
ECTG1232-2	32	2	20/560
ECTG1240-2	40	2	20/360
ECTG1250-2	50	2	10/240

Self-extinguishing rigid insulating conduits class. 2221, in 3mt bars, with sleeve

ITEM	EXTERNAL DIAMETER mm	BAR LENGTH m	BUNDLE/MINIPALLET m
ECTG1216B	16	3	102/3162
ECTG1220B	20	3	102/2040
ECTG1225B	25	3	60/1440
ECTG1232B	32	3	30/840
ECTG1240B	40	3	30/540
ECTG1250B	50	3	15/360

Self-extinguishing rigid insulating conduits class. 2221, in 2mt bars, with sleeve

ITEM	EXTERNAL DIAMETER mm	BAR LENGTH m	BUNDLE/MINIPALLET m
ECTG1216B-2	16	2	68/2108
ECTG1220B-2	20	2	68/1360
ECTG1225B-2	25	2	40/960
ECTG1232B-2	32	2	20/560
ECTG1240B-2	40	2	20/360
ECTG1250B-2	50	2	10/240



■ HALOGEN FREE RIGID INSULATING CONDUITS **SERIES TG21/TG20**

MAIN TECHNICAL FEATURES:

- Material: halogen free technopolymer according to EN 50267-2-1, EN 50267-1-2.
- Compression resistance: 750-320 N.
- Classification: -3342, -2342 according to the Standard EN 61386-1, EN 61386-21.
- Available with plain ends or with 1 sleeve, in 2mt or 3mt length.
- Packed in bundles wrapped with transparent plastic film.



GREY RAL 7035

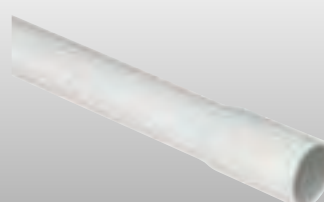
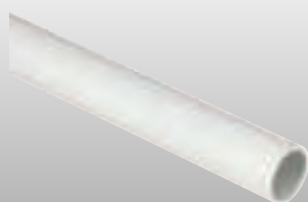
■ Halogen free rigid conduits class. 3342 in 3mt bars

ITEM	EXTERNAL DIAMETER mm	BAR LENGTH m	BUNDLE/MINIPALLET m
ECTG2116	16	3	102/3162
ECTG2120	20	3	102/2040
ECTG2125	25	3	60/1440
ECTG2132	32	3	30/840
ECTG2140	40	3	30/540
ECTG2150	50	3	15/360

■ Halogen free rigid conduits class. 2342 in 3mt bars with sleeve

ITEM	EXTERNAL DIAMETER mm	BAR LENGTH m	BUNDLE/MINIPALLET m
ECTG2016B	16	3	102/3162
ECTG2020B	20	3	102/2040
ECTG2025B	25	3	60/1440
ECTG2032B	32	3	30/840
ECTG2040B	40	3	30/540
ECTG2050B	50	3	15/360

*HALOGEN
Free*



PLIABLE CORRUGATED SELF-EXTINGUISHING PVC INSULATING CONDUITS **SERIES TC15**



MAIN TECHNICAL FEATURES:

- Material: shock resistant technopolymer on PVC base.
- Self-extinguishing V0 degree according to UL94 standard. • Compression resistance: 750 N.
- Classification: medium -3321 according to the Standard EN 61386-1, EN 61386-22.
- Available with draw tape on request: add letter "T" to the item code.
- Packed in coils, wrapped with transparent plastic film.
- Coils on wooden pallet, wrapped with plastic film and plastic hood on the top.

	BLACK STANDARD
	VE = GREEN
	B = WHITE
	BL = BLUE
	M = BROWN
	L = VIOLET

Pliable corrugated self-extinguishing insulating conduits class.3321 - black

ITEM	EXTERNAL DIAMETER mm	COIL LENGTH m	COILS X PALLET NR.	PALLET m
ECTC1516	16	100	60	6000
ECTC151650	16	50	96	4800
ECTC1520	20	100	52	5200
ECTC152050	20	50	66	3300
ECTC1525	25	50	60	3000
ECTC1532	32	25	60	1500
ECTC1540	40	25	40	1000
ECTC1550	50	25	32	800

Pliable corrugated self-extinguishing insulating conduits class.3321 – black – 25mt coils

ITEM	EXTERNAL DIAMETER mm	COIL LENGTH m	PACKAGING PIECES
ECTC151625	16	25	1
ECTC152025	20	25	1
ECTC152525	25	25	1

Pliable corrugated self-extinguishing insulating conduits class.3321 – black – 10mt coils

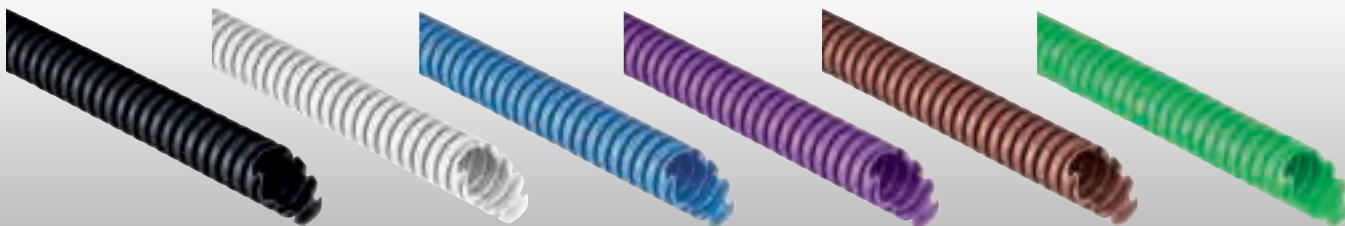
ITEM	EXTERNAL DIAMETER mm	COIL LENGTH m	PACKAGING PIECES
ECTC151610	16	10	1
ECTC152010	20	10	1
ECTC152510	25	10	1

Pliable corrugated self-extinguishing insulating conduits class.3321 – coloured

Please add the colour code to the item code: VE= Green, B = White, BL = Blue, M = Brown, L = Violet

ITEM	EXTERNAL DIAMETER mm	COIL LENGTH m	COILS X PALLET NR.	PALLET m
ECTC1516	16	100	60	6000
ECTC1520	20	100	52	5200
ECTC1525	25	50	60	3000
ECTC1532	32	25	60	1500

Conduits available with draw tape on request. Please add the letter "T" to the item code



PLIABLE CORRUGATED SELF-EXTINGUISHING PVC INSULATING CONDUITS **SERIES TC12**

MAIN TECHNICAL FEATURES:

- Material: shock resistant technopolymer on PVC base.
- Self-extinguishing V0 degree according to UL94 standard.
- Compression resistance: 320 N.
- Classification: light -2221 according to the Standard EN 61386-1, EN 61386-22.
- Available with draw tape on request: add letter "T" to the item code.
- Packed in coils, wrapped with transparent plastic film.
- Coils on wooden pallet, wrapped with plastic film and plastic hood on the top.



GREY RAL 7035

Pliable corrugated self-extinguishing insulating conduits class.2221 - light grey

ITEM	EXTERNAL DIAMETER mm	COIL LENGTH m	COILS X PALLET NR.	PALLET m
ECTC1216	16	100	60	6000
ECTC121650	16	50	96	4800
ECTC1220	20	100	48	4800
ECTC122050	20	50	66	3300
ECTC1225	25	50	56	2800
ECTC1225100	25	100	36	3600
ECTC1232	32	25	60	1500
ECTC123250	32	50	32	1600
ECTC1240	40	25	40	1000
ECTC1250	50	25	32	800

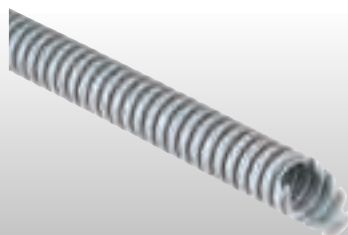
Pliable corrugated self-extinguishing insulating conduits class.2221 - light grey 25 mt coils

ITEM	EXTERNAL DIAMETER mm	COIL LENGTH m	PACKAGING PIECES
ECTC121625	16	25	1
ECTC122025	20	25	1
ECTC122525	25	25	1

Pliable corrugated self-extinguishing insulating conduits class.2221 - light grey 10 mt coils

ITEM	EXTERNAL DIAMETER mm	COIL LENGTH m	PACKAGING PIECES
ECTC121610	16	10	1
ECTC122010	20	10	1
ECTC122510	25	10	1

Conduits available with draw tape on request. Please add the letter "T" to the item code



PLIABLE CORRUGATED SELF-EXTINGUISHING PVC INSULATING CONDUITS SERIES TC18 (-25°C)

MAIN TECHNICAL FEATURES:

- Material: shock resistant technopolymer on PVC base.
- Self-extinguishing V0 degree according to UL94 standard.
- Compression resistance: 750 N.
- Minimum Installation temperature -25° C.
- Classification: medium -3341 according to the Standard EN 61386-1, EN 61386-22.
- Packed in coils, wrapped with transparent plastic film.
- Coils on wooden pallet, wrapped with plastic film and plastic hood on the top.



GREY RAL 7030

Pliable corrugated self-extinguishing insulating conduits class.3341 - dark grey

ITEM	EXTERNAL DIAMETER mm	COIL LENGTH m	COILS X PALLET NR.	PALLET m
ECTC1816	16	100	60	6000
ECTC181650	16	50	96	4800
ECTC1820	20	100	48	4800
ECTC182050	20	50	66	3300
ECTC1825	25	50	56	2800
ECTC1825100	25	100	36	3600
ECTC1832	32	25	60	1500
ECTC183250	32	50	32	1600
ECTC1840	40	25	40	1000
ECTC1850	50	25	32	800

Pliable corrugated self-extinguishing insulating conduits class.3341 - dark grey 25 mt coils

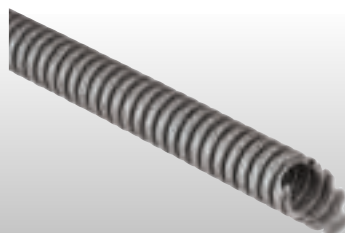
ITEM	EXTERNAL DIAMETER mm	COIL LENGTH m	PACKAGING PIECES
ECTC181625	16	25	1
ECTC182025	20	25	1
ECTC182525	25	25	1

Pliable corrugated self-extinguishing insulating conduits class.3341 - dark grey 10 mt coils

ITEM	EXTERNAL DIAMETER mm	COIL LENGTH m	PACKAGING PIECES
ECTC181610	16	10	1
ECTC182010	20	10	1
ECTC182510	25	10	1

Conduits available with draw tape on request. Please add the letter "T" to the item code

-25° C



PLIABLE CORRUGATED SELF-RECOVERING PP INSULATING CONDUITS

SERIES TP12/15

MAIN TECHNICAL FEATURES:

- Materiale: shock resistant self recovering technopolymer on PP base.
- Halogen free according to the Standard EN 50267-2-1, EN 50267-1-2.
- Compression resistance: 320 - 750 N. • Installation temperature min -15 / -5° C, max +90° C.
- Classification: light -2232, medium -3422 according to the Standard EN 61386-1, EN 61386-22.
- Available with draw tape on request: add letter "T" to the item code.
- Packed in coils, wrapped with transparent plastic film.
- Coils on wooden pallet, wrapped with plastic film and plastic hood on the top.



Pliable corrugated self-recovering insulating conduits class. 2232 - orange

ITEM	EXTERNAL DIAMETER mm	COIL LENGTH m	COILS X PALLET NR.	PALLET m
ECTP1216	16	100	70	7000
ECTP1220	20	100	50	5000
ECTP1225	25	50	60	3000
ECTP1232	32	25	64	1600
ECTP1240	40	25	36	900
ECTP1250	50	25	28	700

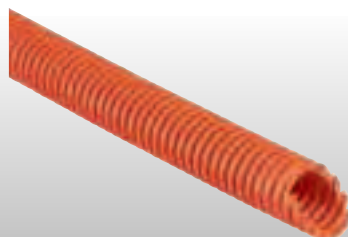
Pliable corrugated self-recovering insulating conduits class. 3422 - orange

ITEM	EXTERNAL DIAMETER mm	COIL LENGTH m	COILS X PALLET NR.	PALLET m
ECTP1516	16	100	70	7000
ECTP1520	20	100	50	5000
ECTP1525	25	50	60	3000
ECTP1532	32	25	64	1600
ECTP1540	40	25	36	900
ECTP1550	50	25	28	700

Conduits available with draw tape on request. Please add the letter "T" to the item code

HALOGEN
Free

+90°C



PLIABLE CORRUGATED SELF-RECOVERING SELF-EXTINGUISHING PP INSULANTING CONDUITS **SERIES ICTA**

MAIN TECHNICAL FEATURES:

- Materiale: shock resistant self recovering technopolymer on PP base.
- Self-extinguishing V2 degree to the Standard UL94 standard.
- Very low emission of toxic gasses.
- Compression resistance: 750 N. • Installation temperature: min -5° C, max +90° C.
- Classification: medium -3422 according to the Standard EN 61386-1, EN 61386-21.
- Packed in coils, wrapped with transparent plastic film.
- Coils on wooden pallet, wrapped with plastic film and plastic hood on the top.



GREY RAL 7037

Pliable corrugated self-recovering insulating conduits class. 3422 - dark grey

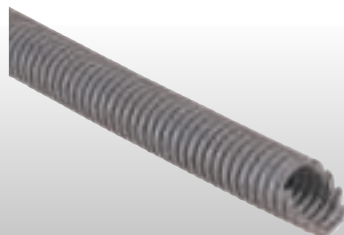
ITEM	EXTERNAL DIAMETER mm	COIL LENGTH m	COILS X PALLET NR.	PALLET m
ECICTA16	16	100	70	7000
ECICTA20	20	100	50	5000
ECICTA25	25	100	36	3600
ECICTA32	32	50	36	1800
ECICTA40	40	25	36	900
ECICTA50	50	25	28	700

Pliable corrugated self-recovering insulating conduits class. 3422 - dark grey - with draw tape

ITEM	EXTERNAL DIAMETER mm	COIL LENGTH m	COILS X PALLET NR.	PALLET m
ECICTA16T	16	100	70	7000
ECICTA20T	20	100	50	5000
ECICTA25T	25	100	36	3600
ECICTA32T	32	50	36	1800
ECICTA40T	40	25	36	900
ECICTA50T	50	25	28	700

+90°C

Low emission



PLIABLE CORRUGATED SELF-RECOVERING SELF-EXTINGUISHING PP INSULATING CONDUITS **SERIES ICTA**

MAIN TECHNICAL FEATURES:

- Materiale: shock resistant self recovering technopolymer on PP base.
- Self-extinguishing V2 degree according to UL94 standard.
- Very low emission of toxic gasses.
- Compression resistance: 750 N.
- Installation temperature: min -5° C, max +90° C.
- Classification: medium –3422, according to the Standard EN 61386-1, EN 61386-22.
- Packed in coils, wrapped with transparent plastic film.
- Coils on wooden pallet, wrapped with plastic film and plastic hood on the top.



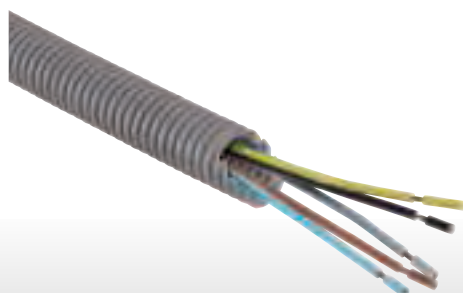
GREY RAL 7037

Pliable corrugated self-recovering insulating conduits class. 3422 - dark grey - prewired

ITEM	EXTERNAL DIAMETER mm	PREWIRING	COIL LENGTH m	COILS X PALLET NR.	PALLET m
ECICTA163G15	16	3 G 1,5	100	40	2800
ECICTA164G15	16	4 G 1,5	100	40	2800
ECICTA165G15	16	5 G 1,5	100	40	2800
ECICTA163G25	16	3 G 2,5	100	40	2800
ECICTA162X15	16	2 X 1,5	100	40	2800
ECICTA16VVT	16	VVT	100	40	2800
ECICTA203G15	20	3 G 1,5	100	32	2400
ECICTA204G15	20	4 G 1,5	100	32	2400
ECICTA205G15	20	5 G 1,5	100	32	2400
ECICTA203G25	20	3 G 2,5	100	32	2400
ECICTA205G25	20	5 G 2,5	100	32	2400
ECICTA202X15	20	2 X 1,5	100	32	2400

G = earth wire, X = without earth wire, VVT = telephone cable 1x4x0,6+T – other wirings on request

+90°C
Low emission



■ SPIRAL FLEXIBLE PVC CONDUIT **SERIES GFE**

MAIN TECHNICAL FEATURES:

- Wall conduit material (spiral+cover) : made of a shock resistant technopolymer on PVC base, UV rays resistant.
- Self-extinguishing V0 degree according to UL94 standard.
- Compression resistance: 320 N.
- Installation temperature -15°/+70° C., operating temperature: -5°/+60° C.
- Classification: light -2311, according to the Standard EN 61386-1, EN 61386-23.
- Packaging in coils, wrapped with transparent plastic film.
- Packed in coils, wrapped with transparent plastic film.
- Coils on wooden pallet, wrapped with plastic film.



GREY RAL 7035

BLACK

GREY ITEM	BLACK ITEM	INTERNAL DIAMETER mm	EXTERNAL DIAMETER mm	COIL LENGTH m	COILS X PALLET NR.	PALLET m
ECGFE08	ECGFE08N	8	12,4	30	69	2070
ECGFE10	ECGFE10N	10	14,6	30	60	1800
ECGFE12	ECGFE12N	12	16,2	30	60	1800
ECGFE14	ECGFE14N	14	18,2	30	48	1440
ECGFE16	ECGFE16N	16	20,2	30	36	1080
ECGFE20	ECGFE20N	20	24,2	30	36	1080
ECGFE22	ECGFE22N	22	26,3	30	24	720
ECGFE25	ECGFE25N	25	29,6	30	20	600
ECGFE28	ECGFE28N	28	33,0	30	16	480
ECGFE32	ECGFE32N	32	37,2	30	16	480
ECGFE35	ECGFE35N	35	40,2	30	16	480
ECGFE40	ECGFE40N	40	45,3	30	12	360
ECGFE50	ECGFE50N	50	56,0	30	6	180
ECGFE60	ECGFE60N	60	66,4	30	4	120

