CATALOGUE



C_FTTx PASSIVE COMPONENTS FOR TELECOMS APPLICATIONS





C_FTTx METAL-FREE STRAIGHT PUSH-IN CONNECTORS, REDUCING CONNECTORS AND ENDSTOP CONNECTORS

The increasing demand for high data volumes and short latencies all over the world is driving the continuous expansion of passive infrastructure for telecommunications, to bring glass fibre to consumers. The main requirements for infrastructure components are quality and reliability, which will ensure a long service life.

Camozzi's experience goes back more than 50 years and represents continuous innovation and success in many industry sectors. It provides a guarantee for customers of the C_FTTx Business Unit, which specialises in the production of passive technology components for telecommunications.

Camozzi's wide range of connectors and fittings along with its production expertise has enabled the development of a high-quality range of connectors, that meets all CEI EN50411-2-8 requirements. These connectors are distinguished by their long life and ease of use.

CAMOZZI'S CONNECTORS ARE CHARACTERISED BY:

- FULL PLASTIC DESIGN (METAL-FREE)
- TRANSPARENT BODY
- EASY 'PUSH-IN' CONNECTION
- SUITABLE FOR USE IN DIRECT BURIED (DB) APPLICATIONS





WORLDWIDE NETWORK **TO RESPOND AND ACT QUICKLY**

Established in 1964, the Camozzi Group is the leading Italian multinational enterprise, producing components and systems for **industrial automation**. It also operates in various other sectors, from advanced machine tools to textile machines, to the processing of raw materials.

The vision of the group is global with all product development being driven by customer requirements and international standards. Product certification for each target market is at the forefront of our minds throughout every stage of development.

All levels of assistance and technical support are designed to be efficient and fast across a network which is spread throughout the world.

At a glance





18

85% EXPORT

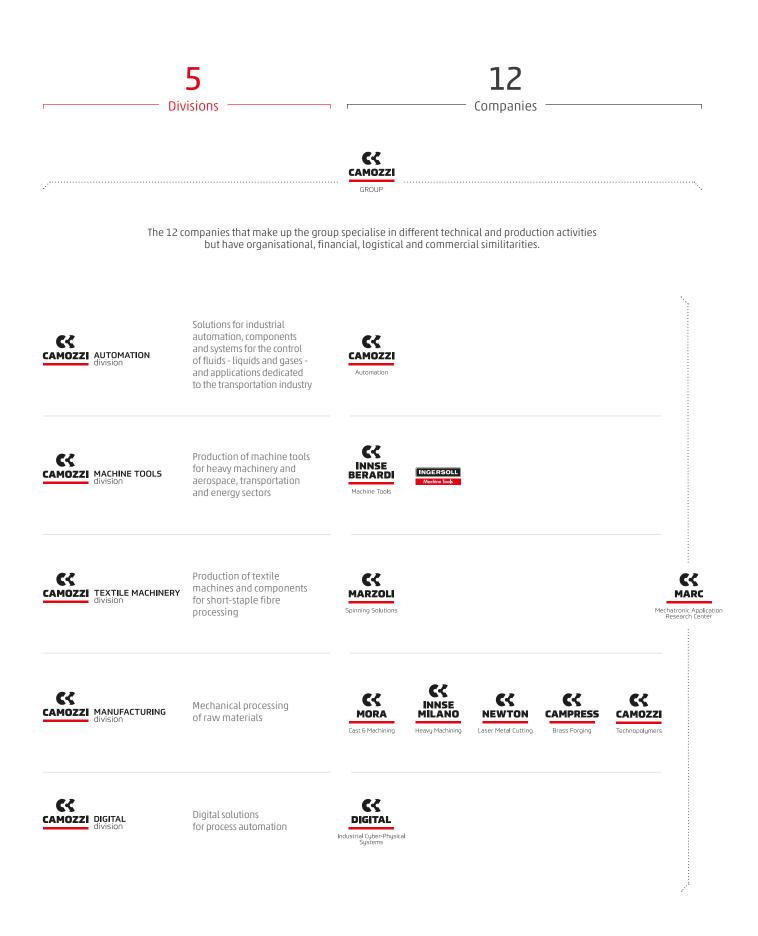




SUBSIDIARIES AND SERVICE CENTRES







5

Series V4000 microduct connectors

External diameters: 3, 4, 5, 7, 8, 8.5, 10, 12, 12.7, 14, 16, 18, 20 mm; Versions: Standard, Direct Buried (DB), Reducing, Endstop





These connectors were developed to connect microducts with each other. Our system enables an easy, fast connection and disconnection of the microduct.



The connectors' robust construction includes IP68 water ingress protection and resistance to high pressure forces, allowing them to be used in direct buried (DB) applications. The transparent body enables easy visual inspection of the cable within the connector. The straight push-in and endstop connectors have a fully plastic design utilising non-conductive parts only and are also free from metal parts.



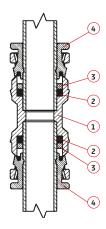
The connectors are made in accordance with Standard CEI EN 50411-2-8. In addition, the uniformity of production is ensured by an external, recognised quality assurance program, TÜV Süd.

Besides production uniformity, TÜV Süd also tests the tightness, any pressure drop during tests, the tensile strength of the microduct as well as the (cyclic) temperature change, waterproofness and resistance to stress cracking solvents. Further, the connectors are subjected to visual inspection and a salt spray test.

General data

Materials 1 = body Polyamide = seal NBR 3 = washer Polyacetal 4 = collet Polyacetal Working pressure 20 bar used for blowing system Working temperature from -20 to +50°C Fluid Compressed air with blowing system Microduct to connect Polyethylene HDPE **Microduct outer diameters** 3, 4, 5, 7, 8, 8.5, 10, 12, 12.7, 14, 15, 16, 18, 20 mm Estimated life 25 years CEI EN 50411-2-8 Standards Rohs CEI EN 61386-24 Patent Connectors patent IP68 Protection class

Operating scheme



Installation procedures

Connecting the microduct

1. Cut the microduct

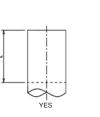
perpendicularly to its axis. We recommend Camozzi tube cutters (mod. PNZ-25 or PNZP-12).

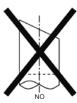


The microduct should be clean and free from chips, cuts, scratches or any other damage before it is inserted into the connector.









2. The microduct is inserted into the connector on the front side. This can be done either with or without the safety clip mounted.



Ensure the microduct is pushed up to the inner stop of the connector.



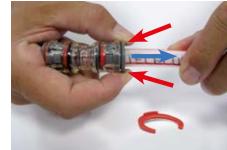


3. Release of the microduct is done after removal of the mounted safety clip (if present), by pressing the holding device in the direction of the arrow, as shown in the picture. The microduct can then be pulled out.



Make sure that the system is depressurised before you remove the microduct from the connector.





Straight connector Mod. CV4580

Standard connector for DI (Direct Installation) sizes of microduct Compatible for eventual DB (Direct Buried) use



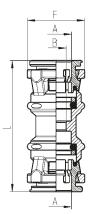
DIMENSIONS						
Mod.	А	В	F	L	Weight (g)	Package (pieces)
CV4580 3/2,1	3	2.1	10	30	2	100
CV4580 4/2,5	4	2.5	10	30	2	100
CV4580 5/3,5	5	3.5	12.5	39	4	100
CV4580 7/5,5	7	5.5	16.5	41.5	6.5	100
CV4580 8/6	8	6	17.5	43	7	100
CV4580 8,5/6	8.5	6	17.5	43	7	100
CV4580 10/8	10	8	20.5	48	9	100
CV4580 12/10	12	10	23	52	12	100
CV4580 12,7/10	12.7	10	23	52	12	100
CV4580 14/12	14	12	25.5	59	16	100
CV4580 16/14	16	14	30	66	26	50
CV4580 18/15	18	15	33.5	77	37	50

Straight connector Mod. CV4581



Connector for DB (Direct Buried) sizes of microduct

DIMENSIONS						
Mod.	A	В	F	L	Weight (g)	Package (pieces)
CV4581 5/2,1	5	2.1	12.5	39	4	100
CV45817/3,5	7	3.5	16.5	41.5	6.5	100
CV45817/4	7	4	16.5	41.5	6.5	100
CV4581 8/4	8	4	17,5	43	7,5	100
CV4581 8/4,5	8	4.5	17.5	43	7.5	100
CV45818/5	8	5	17.5	43	7.5	100
CV4581 10/5,5	10	5.5	20.5	48	10	100
CV458110/6	10	6	20.5	48	10	100
CV4581 10/7	10	7	20.5	48	10	100
CV4581 12/8	12	8	23	52	12	100
CV4581 14/10	14	10	25.5	59	16	100
CV4581 16/10	16	10	30	66	26	50
CV4581 16/12	16	12	30	66	26	50
CV4581 18/12	18	12	33.5	77	37	50
CV4581 18/14	18	14	33.5	77	37	50
CV4581 20/15	20	15	37.5	81.5	45	50
CV4581 20/16	20	16	37.5	81.5	45	50



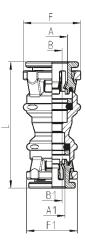
Automation

SERIES V4000

Reducing straight connector Mod. CV4582



Reducing connector for DI (Direct Installation) and DB (Direct Buried) different sizes of microduct Compatible for DB (Direct Buried) use



DIMENSIONS									
Mod.	А	A1	В	B1	F	F1	L	Weight (g)	Package (pieces)
CV4582 5/3,5-3/2,1	5	3	3.5	2.1	16.5	10	35	4	100
CV4582 7-5/3,5	7	5	3.5	3.5	16.5	12.5	40	4.5	100
CV4582 10-7/5,5	10	7	5.5	5.5	20.5	16.5	44.5	6	100
CV4582 10/5,5-8/5	10	8	5.5	5	20.5	17.5	45.5	5	100
CV4582 12-10/8	12	10	8	8	23	20.5	50	10	100
CV4582 14-12/10	14	12	10	10	25.5	23	55.5	14	100
CV4582 16/12-14/10	16	12	14	10	25.5	23	55.5	15	50

Endstop connector Mod. CV4750

Endstop connector for DI (Direct Installation) and DB (Direct Buried) sizes of microduct Compatible for DB (Direct Buried) use



	F A
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DIMENSIONS					
Mod.	А	F	L	Weight (g)	Package (pieces)
CV4750 3	3	10	16.5	1.5	100
CV47504	4	10	16.5	1.5	100
CV47505	5	12.5	21.5	2.5	100
CV47507	7	16.5	22.5	3.5	100
CV47508	8	17.5	23.5	3.5	100
CV47508,5	8.5	17.5	23.5	3.5	100
CV475010	10	20.5	26	5	100
CV4750 12	12	23	28	7	100
CV4750 12,7	12.7	23	28	7	100
CV475014	14	25.5	32.5	9	100
CV475016	16	30	36	13.5	50
CV4750 18	18	33.5	42	19	50
CV4750 20	20	37.5	45.5	25	50

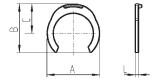
Accessories

Safety clip Mod. 4702

This SAFETY CLIP is used to help prevent accidental disconnection between the microduct and the connector.







DIMENSIONS							
Mod.	А	В	F	L	Weight (g)	Package (pieces)	
4702 3-4	9.6	9.2	5.5	1	0.1	100	*
4702 5	11.8	11.5	6.9	1.2	0.1	100	
4702 7	15.3	14.4	8.8	1.2	0.15	100	
4702 8	16.4	15.2	9.4	1.2	0.15	100	**
4702 10	18.5	17.2	10.5	1.3	0.2	100	
4702 12	21	19.3	11.7	1.4	0.25	100	***
4702 14	23.8	21.9	13.1	1.4	0.35	50	
4702 15	25	23.2	13.7	1.4	0.35	50	
4702 16	28	26.2	15.2	1.4	0.45	50	
4702 18	30.5	29.5	17.2	1.6	0.7	50	
4702 20	35	32.7	19.1	1.8	1	50	

uitable for use with ø 3 and 4

** also suitable for use with mod. V4580 8,5/6 and mod. V4750 8,5

*** also suitable for use with mod. V4580 12,7/10 and mod. V4750 12,7

Tube cutter Mod. PNZ-25 Microducts cutter Mod. PNZP-12



CHARACTERISTICS		
Mod.		Package (pieces)
PNZ-12	for tubes Ø up to 12 mm	1
PNZ-25	for tubes Ø up to 25 mm	1
PNZP-12	for tubes Ø up to 12 mm	1

Contact

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