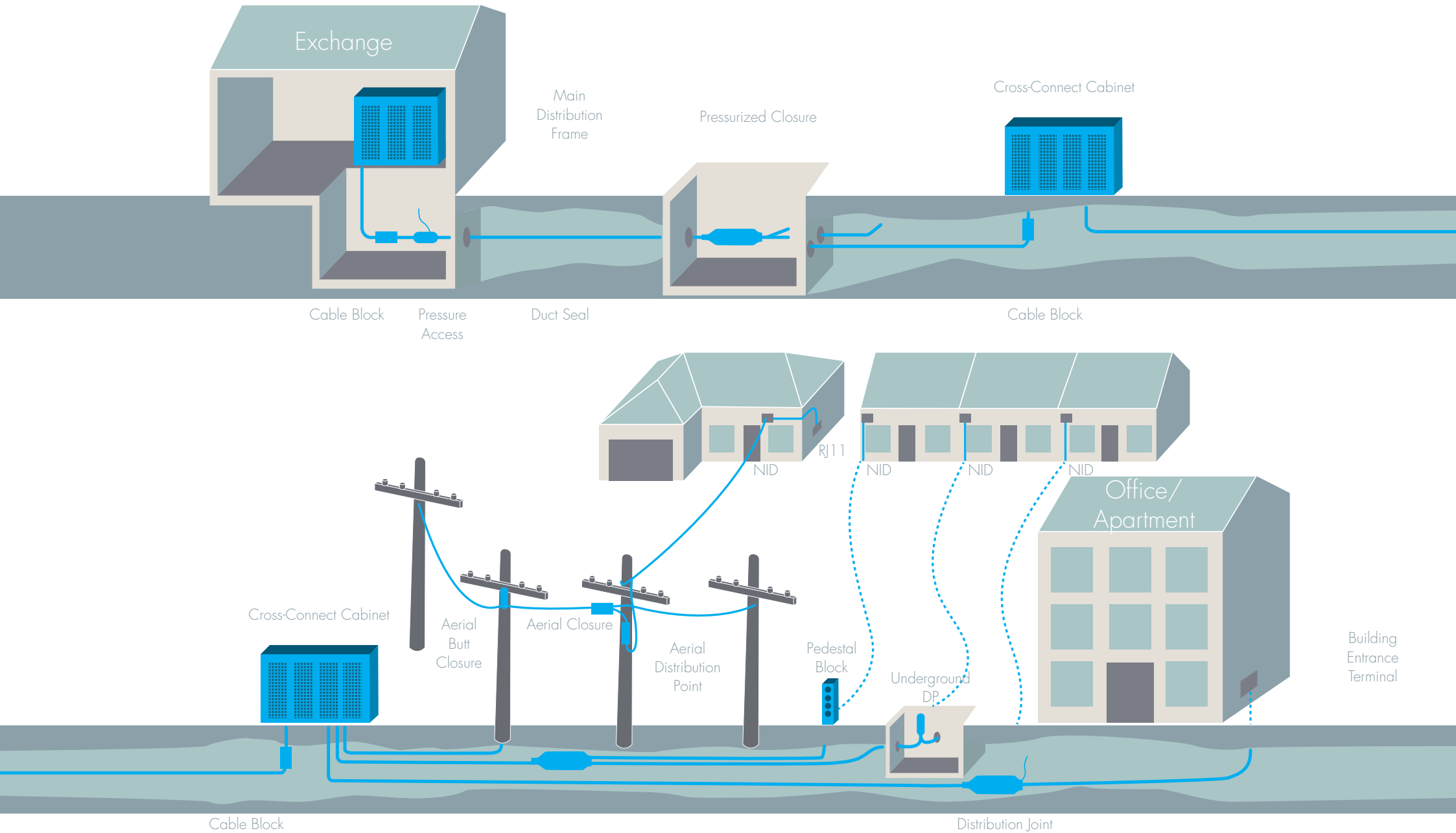


# Copper Closures at a Glance

From Feeder to Drop



# Copper Closures at a Glance









## Reinforced Heat-Shrinkable Wrap-Around Products

	Primary/Feeder Network Pressurized	Primary/Feeder/Distribution Network Unpressurized	
	XAGA-1000 	XAGA-500/530/1650 	XAGA-550 
Application	Joint protection	Joint protection	Joint protection
Sealing	Adhesive	Adhesive	Adhesive
Sizing (mm)	45/8 → 200/65	43/8 → 125/30	43/8 → 200/50
Pairs	Up to 4800	Up to 600	Up to 3600
Splice protection	Metal canisters with valve	Laminated cardboard liner/ hygroscopic liner	Metal canister
Wrap-around	✓	✓	✓
In-Line	✓	✓	✓
Branch	Up to 4 in/out	Up to 3 in/out	Up to 3 in/out
Branch kit	Order separately	1 piece included	1 piece included
Cable type	PE/Pb: air core single, double jacket	PE/Pb: air core/jelly filled Single/double/triple jacket	PE/Pb: air core/jelly filled Single/double/triple jacket
Where used	Underground - Ducted - Manholes	Aerial - Buried - Ducted - Manholes	Manholes

# Copper Telecommunication Network

## Reinforced Heat-Shrinkable Products








	Primary/Feeder Network Accessories					Primary/Feeder/Distribution Network Accessories		
	Pressurized					Unpressurized		
	ACBS	RWPS	RCRS	CBSM	102K	CWST	RAYBLOCK	102L
								
Application	Air/water blocking	Pressure feeding/ checking	Repair press. cable - no need for depressurising	Air/water blocking small cables	End seal	Cable repair	Water block	End seal
Sealing	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive
Underground	✓	✓	✓	✓	✓	✓	✓	✓
Direct Buried	✓	✓	✓	✓	✓	✓	✓	✓
In-Line	✓	✓	✓	✓	✗	✓	✓	✗
Butt	✗	✗	✗	✗	✓	✗	✗	✗
Sizing (cable diam mm)	12 → 45	15 → 95	15 → 95	7 → 18	9 → 70	8 → 200	7 → 18	4 → 70
Branching	✗	✗	✗	✗	✗	✗	✗	✗
Wrap-around	✓	✓	✓	✗	✗	✓	✗	✗
Tubular	✓	✗	✗	✓	✗	✓	✓	✗
Cable type	Air core	Air core	Air core	Air core	Air core	PE/Pb	PE	PE

# Copper Closures at a Glance

Distribution Network—Cold Installed Closures

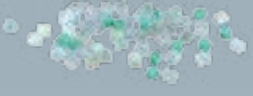




	 MJC	 CERTI-SEAL	 GELSNAP	 TRAC	 TTRC
Application	Joint protection	Joint protection	Joint protection	Joint protection	Joint protection
Sealing	Gel-seal mechanical latch	Gel-filled	Gel-filled	Gel-seal mechanical latch	Gel-seal mechanical latch
Aerial	✓	✓	✓	✓	✓
Underground	✓	✓	✓	✗	✗
Direct buried	✓	✓	✓	✗	✗
In-Line	✓	✓	✓	✓	✓
Butt	✓	✓	✓	✗	✗
Pairs	10 → 200	2 → 12	2 → 30	10 → 1800	25 → 600
Branching	✓	✓	✓	✓	✓
Wrap-around	✓	✓	✓	✓	✓
Cable type	PE single jacket	PE single jacket	PE single jacket	PE single jacket	PE single jacket

# Copper Telecommunication Network

Insulation Displacement Connections for Pressurized and Unpressurized Networks



	TEL-SPLICE 	PICABOND 	AMP STACK 
Discrete	✓	✓	✗
Modular	✗	✗	✓
In-line	✗	✓	✗
Butt	✓	✗	✓
Conductor diam (mm)	0,4 -> 0,9	0,32 -> 0,9	0,4 -> 0,8
Conductor insulation	PE/PVC/PP	PE/PVC/PAPER	PE/PVC/PP
Cable type	PE/Pb	PE/Pb	PE/Pb
Pre-stripping	✗	✗	✗



# Copper Closures at a Glance

## CATV/COAX Copper Network

	 GSIC/FAST	 CERTI-SEAL	 VST	 TCS2
Application	Jumper -> feeder cable -> antenna cable	59 & 6 type connector 7 & 11 type connector	F type connector	Amplifiers/splitters/ tap offs/ground blocks
Sealing	Gel-seal	Gel-filled	Gel-filled	Adhesive
Sizing (mm)	13-17 -> 52	n/a	4 -> 7	6 -> 69
Aerial	✓	✓	✓	✓
Underground	✗	✓	✗	✓
In-line	✓	✓	✗	✓
Antenna	✓	✗	✗	✗
Wrap-around	✓	✓	✓	✗
Tubular	✗	✗	✗	✓

# Copper Closures at a Glance

Duct Sealing Systems for Fiber and Copper Telecommunication Networks

	TDUX 	JACKMOON PLUGS 
Type	Inflatable duct seal system	Mechanical sealing system
Sealing	Self-sealing pressure	Rubber gasket
Cable type	PE/Pb	PE/blown fiber tubes
Duct Type	Concrete/steel/PE/PVC	Steel/PE/PVC
Duct inside diam (mm)	25 → 150	
Number of cables	single/multi/"0"	JM BLANK PLUGS duct ID (mm): 18 → 200 JM TRIPLEX PLUGS duct ID (mm): 50 → 200 sub duct/cable OD: # JM QUADPLEX PLUGS duct ID (mm): 80 → 200 sub duct/cable OD: # JM FO SIMPLEX PLUGS duct ID (mm): sub duct/cable OD: # ACCESSORIES JM hole plugs: seal empty ports JM bushing sleeves: adapt to cable/ sub duct diam