

ITG

Infrastructure Technologies Group



Catalogue 2026



www.infratecgroup.com

ITG Company Profile

Introduction

Founded in 2002, with an established reputation for product safety, efficiency and durability, ITG's brands play a key role in building the network infrastructure that provides the physical pathways for fiber and networking technologies connecting people around the world.

Our Purpose

ITG's multinational production units enable the company to respond promptly to market challenges by developing bespoke solutions, providing integrated logistics and offering personalized support. This enables customers to streamline their purchasing processes on a global scale.

Spanning four continents, ITG's companies serve the telecommunications, energy and transportation markets.



Core Values

Flexibility:	Rapidly adapt solutions to customer-specific requirements.
Innovation:	Pioneer new polymer composites and smart-monitoring options.
Speed:	Expedite development, manufacturing and delivery.
Customer Focus:	Align every process with client success.
People:	Invest in safety, skill development and teamwork.

Corporate Vision

Our global footprint continues to expand, powered by direct access to cutting-edge technologies and an unwavering commitment to sustainable design.

We believe every product we create helps build smarter, more connected communities.

This is the heart of our promise: **ITG - BRANDS THAT BUILT NETWORKS**

Building physical pathways that connect people, communities and industries worldwide.

Our Multi-Material Processing Capabilities

PE-HD	-	Polyethylene High Density
PP	-	Polypropylene
FC	-	Fibre Cement
DMC	-	Dough Mould Compound
SMC	-	Sheet Mould Compound
PC	-	Polymer Concrete



Advantages of the Composite and Plastic Nature of Utility Infrastructure Solutions

- **Lightweight and Easy to Handle** - Plastic/Composites are significantly lighter than materials like steel, concrete, or timber, which makes it easier to transport and handle.
- **High strength** - Plastic/Composite materials have high strength and stiffness and can withstand large impact forces and loads, thereby improving the safety and durability.
- **Corrosion resistance** - Plastic composite materials have good corrosion resistance and can resist wind, rain and chemical corrosion, thereby extending the service life.
- **Durability** - Plastics/Composites consist of a long chain of polymers that create a sturdy material that doesn't decompose easily and can withstand normal wear and tear.
- **Cost Effective Solutions** - Plastic/Composites are often more affordable than traditional construction materials, especially when you consider the long-term cost savings associated with its durability. Zero maintenance required after installation.
- **Longevity** - Greater life span. Although metals have longevity, they are prone to chemical and weather withering, thus curtailing their life span.
- **Processability** - Plastics/Composites can be easily molded into various shapes and sizes, offering design flexibility and allowing for the creation of complex parts.

Our Commitment to Sustainability

Sustainability isn't just a goal; it's embedded in every layer of our operations. As leaders in composite and plastic manufacturing, serving critical infrastructure and utility sectors, we take our responsibility to build a greener, more resource-efficient future seriously.

In FY2025, we made measurable progress across environmental, social, and operational fronts. We've achieved a 60% reduction in waste, a 61% cut in carbon emissions, and a 12% drop in electricity usage - all while increasing our recycled HDPE utilization by 130%.

These actions translate to thousands of homes powered sustainably and hundreds of tons of CO₂ kept out of the atmosphere.

Sustainability starts at the design stage. Our axsChamber™ plant and extrusion facilities engineer durable, high-performance products using circular economic principles. We've re-purposed waste into production grad, regrind material, replaced single-use plastics, and are working toward net-zero emissions by 2050 and a fully circular economy by 2035.

Our commitment extends to the supply chain. Through our Supplier Development Program, we help local and international partners align with ESG best practices, fostering transparency and responsible sourcing. We've introduced a steel reel take-back program and actively recycle end-of-life products—contributing to our mission of #TakingCarbonBack.

Beyond environmental metrics, our people remain at the core of our sustainability journey. From toolbox talks to training and performance-based incentives, we empower every employee to drive impact. We prioritize local hiring, health and safety, and support formal education to build long-term community

Looking ahead, we're investing in renewable energy, launching closed-loop recycling initiatives, and adopting advanced reporting frameworks like Power BI and Life Cycle Assessments to inform every step.

We innovate, build, and deliver - with sustainability as our blueprint for progress.



55% Reduction in HDPE Carbon Emissions: Through optimized processes and innovative solutions, we have reduced carbon emissions related to the production of virgin HDPE by an impressive 55%.



130% Increase in Recycled HDPE Utilization: Our dedication to recycling and reusing HDPE materials have led to a remarkable 130% increase in emissions reductions related to regrind HDPE usage. This supports our ongoing efforts to minimize reliance on virgin materials and promote circular economic practices.



21% Decrease in Electricity: Efficient technologies and implementing sustainable practices across our operations, we have reduced our overall electricity consumption by 21%.



4% Decrease in Travel Emissions: Efficient resource management extends to our transportation activities, where we have achieved a 4% reduction in travel-related emissions.



60% Reduction in Waste: We're proud to have achieved a 60% reduction in waste over the past 24 months, demonstrating our commitment to minimizing environmental impact and promoting sustainability.



17th July 2025

Subject: **Build America, Buy America Compliance (BABA)**

To whom it may concern,

Infrastructure Technologies Group Inc. hereby **declares** that the following products:

- **320-PED (Passive OSP Pedestal)**
- **350-PED (Passive OSP Pedestal)**
- **axs 320T-S (Access Point/Boundary Box)**
- **axs 400R-S T8 (Access Round Vault)**
- **axs 500R-S T15 (Access Round Vault)**
- **axs 500R-S T22 (Access Round Vault)**
- **RFW 17x30x24 T22 (Flared Wall Rectangular Vault)**
- **RFW 24x36x30 T15 (Flared Wall Rectangular Vault)**
- **RFW 24x36x30 T22 (Flared Wall Rectangular Vault)**

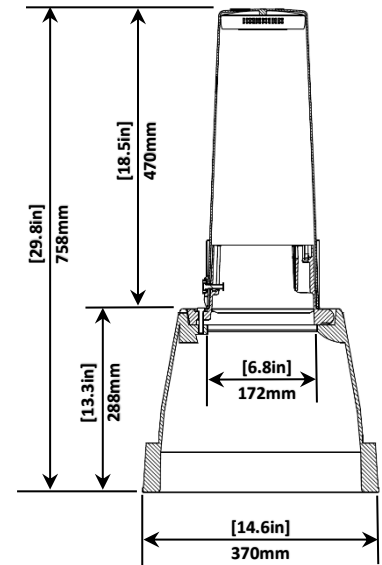
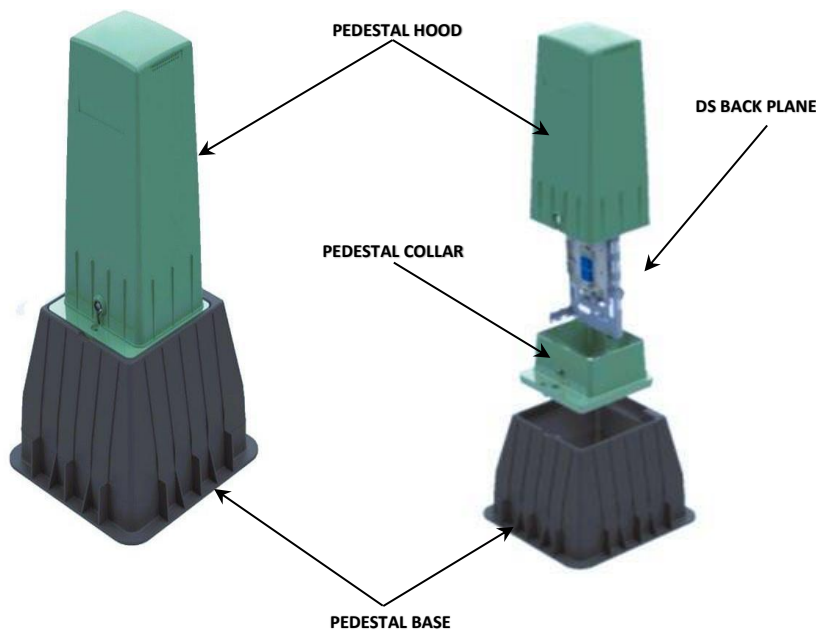
are in full compliance with the Buy America, Build America (BABA) requirement, being produced and assembled in the US, with more than 65% of the cost related to locally sourced content.

All products listed are manufactured in US facilities located in **Oshkosh, Wisconsin**.

Should any of these compliance statements change during the supply of products to a BABA project, we will notify the customer accordingly.



Infrastructure Technology Group
BRANDS THAT BUILD NETWORKS



Specs and Techs: 320-PED Passive OSP Pedestal (Max 5)



BABA COMPLIANT PRODUCT

Description

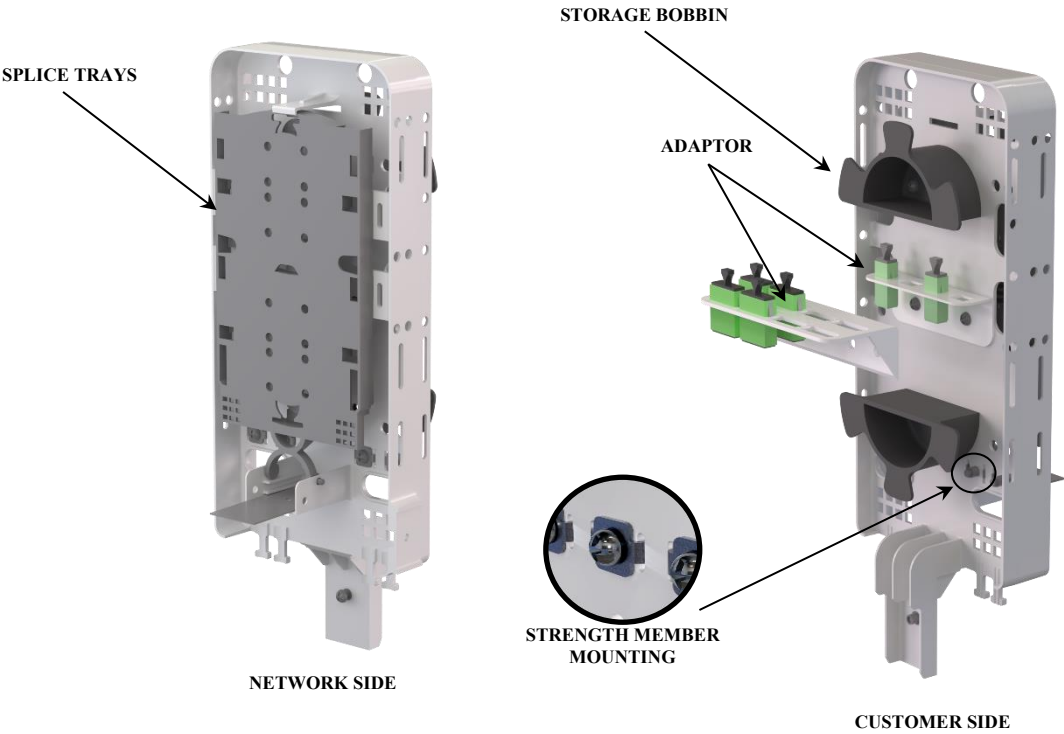
The Max 5 Passive OSP Pedestal is a robust, high-performance enclosure engineered for modern fibre optic networks. Combining structural strength, equipment protection and flexible internal configuration, it supports a wide range of fibre management applications including splice trays, connectorized adaptors, splitter modules and other modular network components. Its contractor-friendly design simplifies installation while providing generous fibre routing and capacity for future network expansion.

Key Features

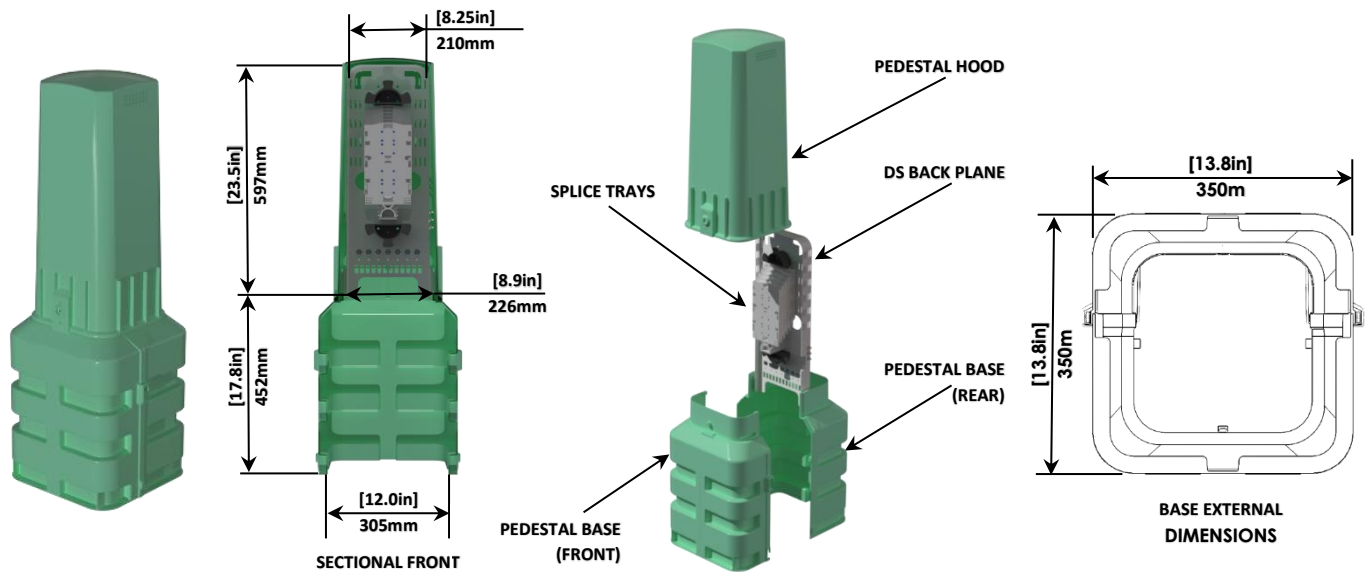
- One-piece self-supporting base eliminates the need for mounting stakes.
- UV-Stabilised hood and collar provide impact and weather resistance.
- Universal rear mount accepts either Direct Splice (DS) or MST backplanes.
- Internal fibre management maintains bend radius and supports future expansion.
- Re-enterable design for installation, maintenance and upgrades.
- Rodent-resistant hood and collar.
- Secure lid-to-base locking mechanism.
- Compatible with existing 320T-S Access Point installations.

Performance

- Designed for long-term outdoor telecommunications service.
- Photo and corrosion resistant polymer.
- Sub -zero operating temperatures.
- High impact resistance for handling and installation.
- Complies with applicable ANSI specifications.



Back Plane (Direct Splice)



Specs and Techs: 350-PED Passive OSP Pedestal (Max 10)



BABA COMPLIANT PRODUCT

Description

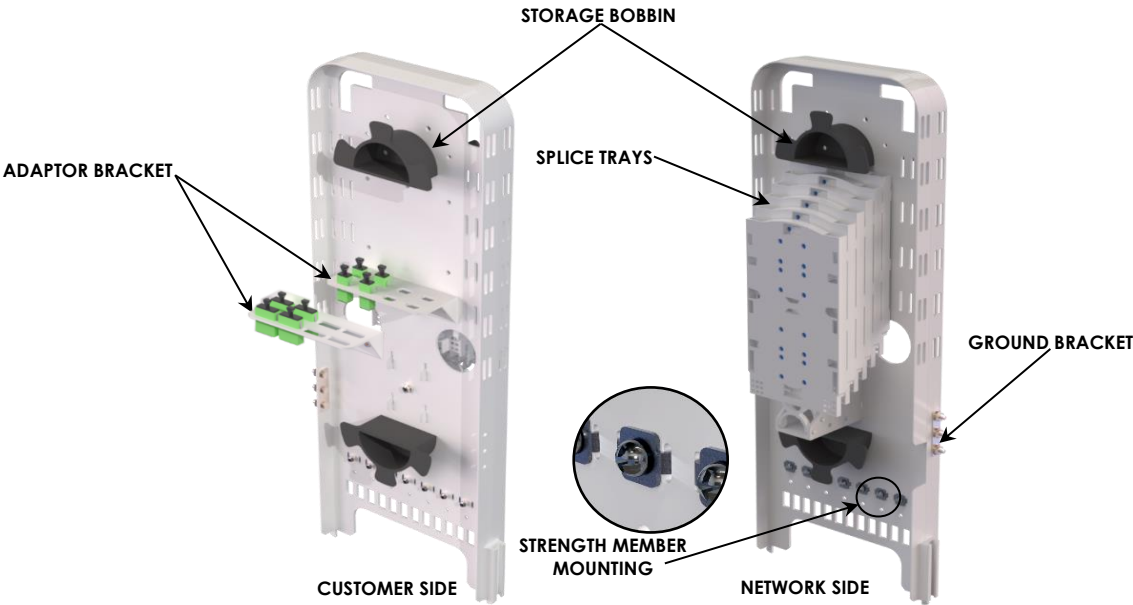
The Max 10 Passive OSP Pedestal is a robust, high-performance enclosure engineered for modern fibre optic networks. Combining structural strength, equipment protection and flexible internal configuration, it supports a wide range of fibre management applications including splice trays, connectorized adaptors, splitter modules and other modular network components. Its contractor-friendly design simplifies installation while providing generous fibre routing and capacity for future network expansion.

Key Features

- UV-Stabilised pedestal base and hood for long-term outdoor service.
- Removable front base panel for conduit and direct-buried fibre access.
- Dual mounting system for Direct Splice (DS) and MST backplanes.
- Supports splice trays, connectorized adaptors, splitter modules and fibre closures.
- Large base provides slack cable storage and expansion capacity.
- Re-enterable design for installation, maintenance and upgrades.
- Rodent-resistant hood and base.
- Secure 1/4-turn locking system.

Performance

- Designed for long-term outdoor telecommunications service.
- Photo and corrosion resistant polymer.
- Sub -zero operating temperatures.
- High impact resistance for handling and installation.
- Complies with applicable ANSI specifications.



Back(Direct Splice)



Specs and Techs: 320T-S Access Point / Boundary Box

Description

The axs 320T-S is a purpose-designed, robust mini access box or boundary box ideal for low fiber count connections. Engineered for reliability and efficiency, the axs 320T-S is perfect for connecting Multi-Dwelling Units (MDUs) or individual clients to the network. Featuring a single-shot construction without a base to ensure seamless integration over existing network infrastructures. With its compact and durable construction, the axs 320T-S maintains high performance and ease of use while providing reliable network connectivity.

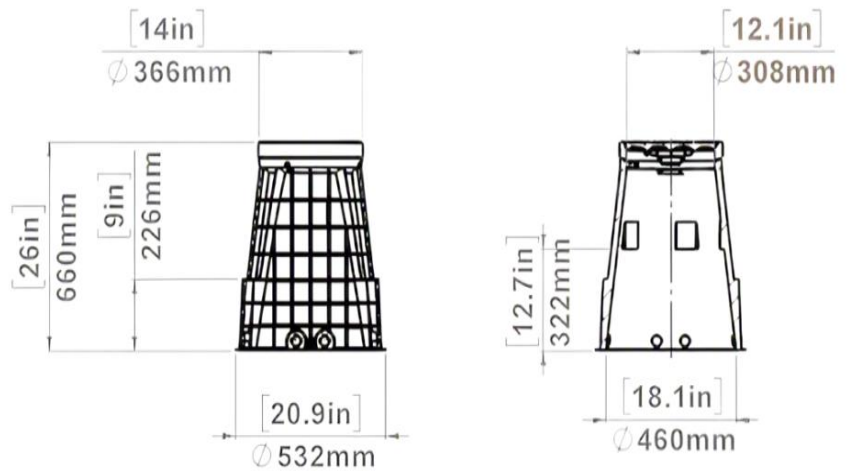
Key Features

- **Smart Monitoring Options:** Access chambers available with RAMAC™ smart monitoring technology options for enhanced performance and monitoring capabilities.
- **Low Density Traffic Installations:** Ideal for low-density traffic areas, with the ability to connect up to 12 clients depending on the splitter configuration.
- **Flexible Installation:** Designed for easy installation over existing and new networks.
- **Compact Design:** Features a low footprint with compact design making it space efficient.
- **Tool-free Assembly:** Easy assembly process with no tools required due to the simplicity of the product.
- **Transport Efficiency:** Enhanced stackability for cost-effective transportation
- **Secured Lid Design:** Hinged, slide-in lid with 1/4" single stainless-steel bolt-down locking mechanism for secure and easy access.
- **Quality Manufacturing:** Manufactured in an ISO 9001 certified facility and tested in accordance with relevant national and international standards, ensuring quality and reliability.

Performance

- Light weight construction enables easy handling and installation.
- UV stabilised for prolonged outdoor exposure
- Resistant to moisture, corrosion and biological degradation
- Resistant to a wide range of dilute acids, alkalis and salts commonly encountered in underground environments
- Suitable for a wide range of service temperatures typical of outdoor installations
- Manufactured from durable engineering-grade materials designed for long service life with minimal maintenance.

	axs320T-S
Dimensions	Daylight Opening: 185mmx185mm (7.3"x7.3") Footprint: 352mmx370mmx288mm (13,9"x14,6"x9")
Load Class	SANS 1882: LD (7kN) EN124: A15 (1.5T) ANSI 77: LD (13.3kN)
Branding	As per customer requirement



Specs and Techs: axS 400R-S DMC Access Point / Boundary Box

Description

The axS 400R-S DMC is a durable, medium sized access box engineered for medium fiber count connections and seamless installation, ideal for connecting multi-dwelling units (MDUs) or multiple users. It ensures easy access, efficient management and robust protection for fiber optic networks.

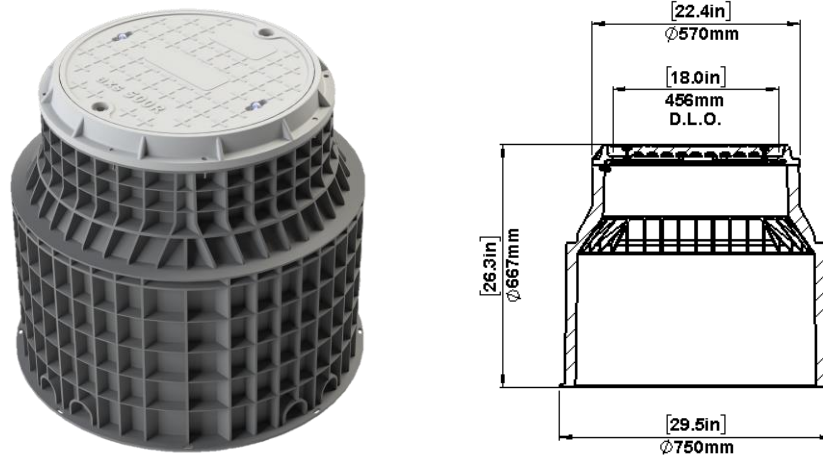
Key Features

- **Smart Monitoring Options:** Access chambers are available with RAMAC™ smart monitoring technology options for enhanced performance and monitoring capabilities.
- **Ideal for medium density installations:** Supports multiple clients depending on the splitter configuration.
- **Compatibility:** Best used in conjunction with our range of CNKT™ closures.
- **Single Shot Construction:** Manufactured in a single shot for enhanced durability.
- **Enhanced Cable Management:** Tapered chamber design allows for better cable slack management.
- **Optional Knock-out Conduit Ports:** Located at the base of the chamber for additional flexibility.
- **Compact Design:** Small footprint diameter of 350mm.
- **Secure Lid:** Hingeless slide-in lid with bolt down locking technology for added security.
- **Efficient Transport:** Stackable design allows for high packing density, reducing transport costs.
- **Quality Manufacturing:** Manufactured in an ISO 9001 certified facility and tested in accordance with relevant national and international standards, ensuring quality and reliability.

Performance

- High compressive and flexural strength
- High impact resistance and stiffness (modulus of elasticity)
- Good fatigue resistance and low creep under sustained loads
- Inherently resistant to corrosion, rot, moisture, absorption, freeze-thaw cycles and biological attacks.
- Inherent resistant to chemicals such as oils, fuels, dilute acids, alkalis, salts, wastewater and sewage environments.
- Electrically non-conductive, non-corrosive to metallic cable components, suitable for electrical isolation applications
- DMC formulations can be manufactured to comply with SANS 713 Grade F and UL94
- DMC is fire resistant
- DMC can go to as low as -40°F [-40°C] in extreme conditions.

	axs400R-S DMC Lid and Frame
Dimensions	ø375x650mm (14.7"x25.6")
Load Class	SABS Medium Duty (42kN) EN124: A15 (1.5T) ANSI Tier 8 (53.4kN)
Accessories	Slack Bracket Dome Closure Bracket
Branding	As per customer specification
Overall Weight	14 kg



Specs and Techs: axs500R-S Access Chamber

Description

The axs500R-S is a durable, purpose-designed medium-sized fiber optic access chamber engineered for medium to high fiber count applications and provides secure cable management, easy network access and reliable protection for fiber optic infrastructure. The chamber is designed for both new installations and retrofit applications, offering flexibility, durability and efficient installation.

Key Features

- **Single Shot Construction:** Manufactured in a single shot for enhanced structural integrity and durability.
- **Medium to High Fiber Capacity:** Suitable for medium to high fiber count installations, depending on cable type, splitter configuration and network design
- **Versatile Applications:** Ideal for FTTx, Small Cell, DOT, MDU and other fiber optic network deployments.
- **Retrofit Capability:** Optional knock-out conduit ports in the base, allowing for installation around or over existing network infrastructure.
- **Enhanced Cable Management:** Tapered chamber design allows for better cable slack management.
- **Lightweight Composite Construction:** Manufactured from high-strength composite materials for durability and ease of handling
- **Efficient Transport and Storage:** Stackable design enables high packing density for efficient transport and storage.
- **Secure Lid:** Hingeless slide-in lid with bolt down locking technology for added security.
- **Quality Manufacturing:** Manufactured in an ISO 9001 certified facility and tested in accordance with relevant national and international standards, ensuring quality and reliability.

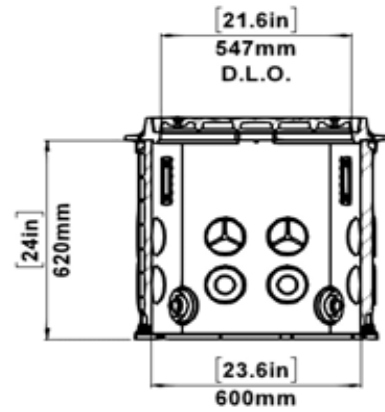
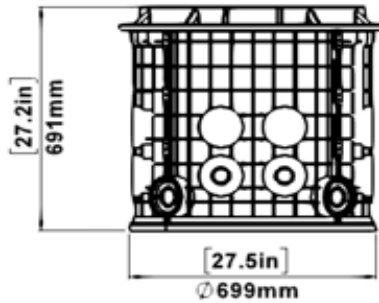
Performance

- High compressive and flexural strength
- High impact resistance and stiffness (modulus of elasticity)
- Good fatigue resistance and low creep under sustained loads
- Inherently resistant to corrosion, rot, moisture, absorption, freeze-thaw cycles and biological attacks.
- Inherent resistance to chemicals such as oils, fuels, dilute acids, alkalis, salts, wastewater and sewage environments.
- Electrically non-conductive, non-corrosive to metallic cable components, suitable for electrical isolation applications
- DMC formulations can be manufactured to comply with SANS 713 Grade F and UL94
- DMC is fire resistant
- DMC can go to as low as -40°F [-40°C] in extreme conditions.

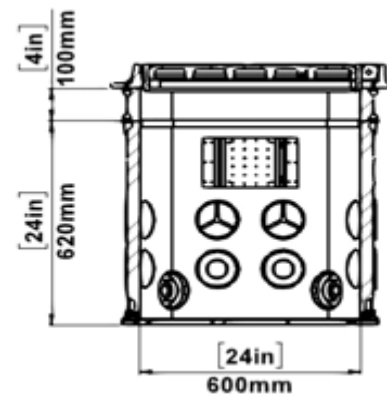
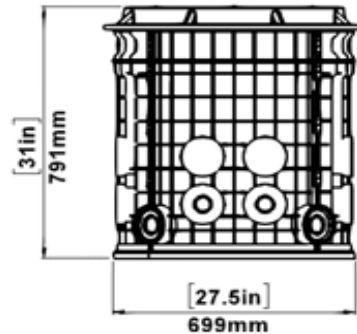
	Axs500R-S DMC Lid and Frame
Dimensions	ø570x667mm (14.7"x25.6")
Load Class	SABS Heavy Duty (135kN) EN124: B125 (12.5) ANSI Tier 15 (100.1kN) ANSI Tier 22 (150.1kN)
Accessories	Slack Bracket Dome Closure Bracket
Branding	As per customer specification
Overall Weight	35.6 kg / 78.5 LBS



axS 600R



axS 600R-XL



Specs and Techs: axS 600R Access Chamber

Description

The axS 600R is a modular composite solution offering the network builder unsurpassed flexibility, performance and economy. The Chamber section is an assembly of quarter segments.

Key Features

- **Modular Chamber Design:** Quarter-segment construction allows multiple chamber depth configurations to suit project requirements.
- **High Fibre Capacity:** Accommodates up to 2 × 144-fibre or 4 × 48-fibre splice closures, depending on network configuration.
- **RAMAC™ Smart Monitoring Ready:** Available with optional RAMAC™ smart monitoring technology.
- **CNKT™ Compatible:** Designed for seamless integration with the CNKT™ fibre splice closure range.
- **Retrofit Capability:** Splitable port panels allow installation around existing cables and ducts without network disruption.
- **Multi-Port Duct Interface:** Knock-out port system provides compatibility with a wide range of duct and multiduct configurations.
- **Simple Installation:** Assembles using basic hand tools, reducing installation complexity.
- **Lightweight Composite Construction:** Composite materials reduce handling and installation effort compared with traditional chamber materials.
- **Secure DMC Cover:** Composite DMC cover has no scrap value, helping to reduce theft and vandalism.
- **Efficient Transport:** Knock-down modular design enables high packing density for reduced transport and storage costs.

Additional Feature – 100mm xtnd-IT Spacer Ring

Advantages of the xtnd-IT Ring:

- The chamber can be scalable and made deeper, allowing for deeper statutory trenching requirements.
- The addition of the ring will allow for further microduct and cable slack management capacity.
- The ring can be retrofitted to already installed chambers, in the event of new roads, paving or other infrastructure is overlaid.
- Full range of loading options available.
- Modular knock-down design offers high packing density for transport savings.

Performance

- Modular composite construction provides a high strength-to-weight ratio.
- Designed to accommodate varying installation depths through modular chamber sections.
- DMC cover provides durable performance for underground infrastructure applications.
- Suitable for both new network installations and retrofit applications.
- Splitable port panels enable installation without disconnecting existing cable infrastructure.
- Modular design simplifies transport, handling and on-site assembly.
- High compressive and flexural strength
- High impact resistance and stiffness (modulus of elasticity)
- Good fatigue resistance and low creep under sustained loads
- Inherently resistant to corrosion, rot, moisture, absorption, freeze-thaw cycles and biological attacks.
- Inherently resistant to chemicals such as oils, fuels, diluted acids, alkalis, salts, wastewater and sewage environments.
- Electrically non-conductive, non-corrosive to metallic cable components, suitable for electrical isolation applications
- DMC formulations can be manufactured to comply with SANS 713 Grade F and UL94
- DMC is fire resistant
- DMC can go to as low as -40°F [-40°C] in extreme conditions.

	axs 600R	axs 600RXL
Dimensions	Ø750mmx720mm (29.5" x 28")	Ø750mmx820mm (29.5" x 32")
Weight	41kg (90.4lbs)	44 Kg (97lbs)
Load Class	SANS Medium Duty (40kN) SANS Heavy Duty (135kN) EN124: B125 (12.5T) & C250 (25 T) ANSI: Tier 22 (150.1kN)	SANS Medium Duty (40kN) SANS Heavy Duty (135kN) EN124: B125 (12.5T) & C250 (25 T) ANSI: Tier 22 (150.1kN)
Branding	As per customer requirement	As per customer requirement



axs 900R450

axs 900R900

axs 900R1350

Specs and Techs: 900R Access Chamber

Description

The axs 900R is a modular composite solution offering the network builder unsurpassed flexibility, performance and economy. The Chamber section is an assembly of multiple layers of quarter segments (see height options).

Key Features

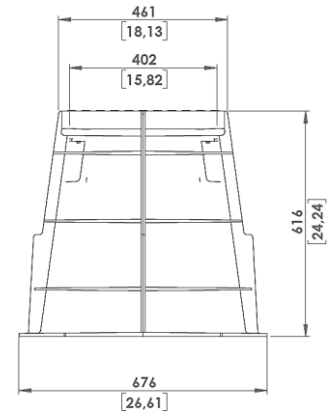
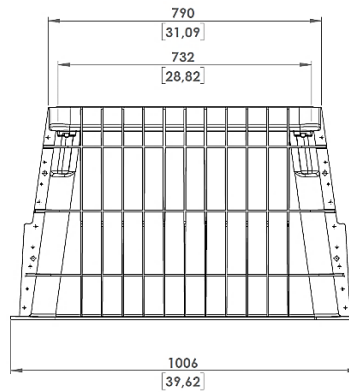
- **Modular Chamber Design:** Quarter-segment construction allows multiple chamber depth configurations to suit project requirements.
- **High Fibre Capacity:** Accommodates up to 2 × 144-fibre or 4 × 48-fibre splice closures, depending on network configuration.
- **RAMAC™ Smart Monitoring Ready:** Available with optional RAMAC™ smart monitoring technology.
- **CNKT™ Compatible:** Designed for seamless integration with the CNKT™ fibre splice closure range.
- **Retrofit Capability:** Splitable port panels allow installation around existing cables and ducts without network disruption.
- **Multi-Port Duct Interface:** Knock-out port system provides compatibility with a wide range of duct and multiduct configurations.
- **Simple Installation:** Assembles using basic hand tools, reducing installation complexity.
- **Lightweight Composite Construction:** Composite materials reduce handling and installation effort compared with traditional chamber materials.
- **Secure DMC Cover:** Composite DMC cover has no scrap value, helping to reduce theft and vandalism.
- **Efficient Transport:** Knock-down modular design enables high packing density for reduced transport and storage costs.

Performance

- Modular composite construction provides a high strength-to-weight ratio.
- Designed to accommodate varying installation depths through modular chamber sections.
- DMC cover provides durable performance for underground infrastructure applications.
- Suitable for both new network installations and retrofit applications.

- Splitable port panels enable installation without disconnecting existing cable infrastructure.
- Modular design simplifies transport, handling and on-site assembly.
- High compressive and flexural strength.
- High impact resistance and stiffness (modulus of elasticity).
- Good fatigue resistance and low creep under sustained loads.
- Inherently resistant to corrosion, rot, moisture, absorption, freeze-thaw cycles and biological attacks.
- Inherently resistant to chemicals such as oils, fuels, dilute acids, alkalis, salts, wastewater and sewage environments.
- Electrically non-conductive, non-corrosive to metallic cable components, suitable for electrical isolation applications.
- DMC formulations can be manufactured to comply with SANS 713 Grade F and UL94.
- DMC is fire resistant.
- DMC can go to as low as -40°F [-40°C] in extreme conditions.

	axs 900R450	axs 900R	axs 900R1350
Dimensions	Ø950mmx457mm (37" x 18")	Ø950mmx1000mm (37" x 39.4")	Ø950mmx1350mm (37" x 53.2")
Weight	82Kg (181lbs)	98Kg (216 lbs)	114Kg (252lbs)
Load Class	SANS Medium Duty (42kN) EN124: B125 (12.5T) ANSI: Tier 22 (150kN)	SANS Medium Duty (42kN) EN124: B125 (12.5T) ANSI: Tier 22 (150 kN)	SANS Medium Duty (42kN) EN124: B125 (12.5T) ANSI: Tier 22 (150kN)
Branding	As per customer requirement	As per customer requirement	As per customer requirement



Specs and Techs: RFW 17x30x24 T22 Flared Wall Unit



BABA COMPLIANT PRODUCT

Description:

The RFW 17x30x24 T22 vaults are purpose designed access vaults for accessing medium to high density utility networks. The vaults have a flared wall design which offers stability in the installation process, economy in the transport and storage process, and the range caters for various vertical load applications. The vaults are manufactured from a mix of various composite material technologies and as a result are light in weight.

Key Features

- **Medium Density Traffic Installations:** Ideal for medium to high utility density installations.
- **Lightweight Design:** Manufactured from Lightweight, high strength composite materials.
- **Tapered Vault Design:** Designed for higher cable slack management with larger fiber counts and enclosures.
- **Harsh Environment:** Designed to operate in environments with temperatures as low as -40°F (-40°C).
- **Transport Efficiency:** The unit stacks, offering economic transport and storage practices.
- **Fire Retardancy:** Can be formulated to comply with UL94V-0.
- **Quality Manufacturing:** Manufactured in an ISO 9001 certified facility and tested in accordance with relevant national and international standards, ensuring quality and reliability.

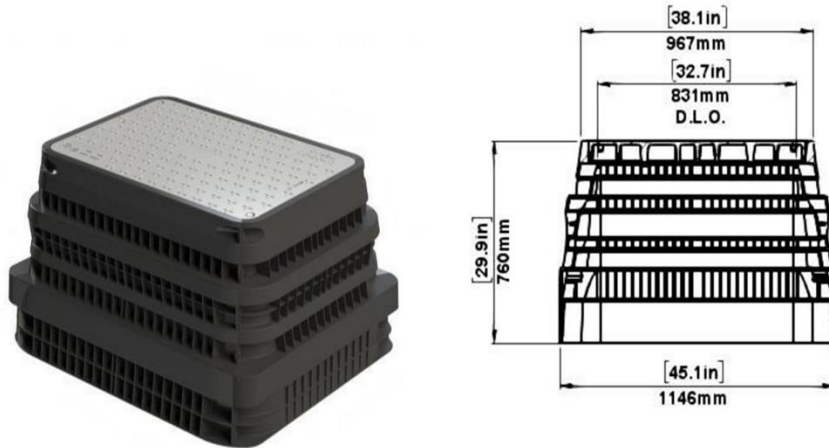
Performance

- Light weight construction enables easy handling and installation.
- UV stabilised for prolonged outdoor exposure.
- Resistant to moisture, corrosion and biological degradation.
- Resistant to a wide range of dilute acids, alkalis and salts commonly encountered in underground environments.
- Suitable for a wide range of service temperatures typical of outdoor installations.
- Manufactured from durable engineering-grade materials designed for long service life with minimal maintenance.

RFW 17x30x24 T22	
Dimensions	17"x30"x24"
Load Class	SABS Heavy Duty (135kN) EN124: B125 (12.5) ANSI Tier 22 (150.1kN)
Branding	As per customer requirement
Weight	71.7lbs [33kg]



Infrastructure Technology Group
BRANDS THAT BUILD NETWORKS



Specs and Techs: RFW 24X36X30T22 Flared Wall Unit



BABA COMPLIANT PRODUCT

Description

The RFW 24x36x30 vaults are purpose designed access vaults for accessing medium to high density utility networks. The vaults have a flared wall design which offers stability in the installation process, economy in the transport and storage process, and the range caters for various vertical load applications. The vaults are manufactured from a mix of various composite material technologies and as a result are light in weight.

Key Features

- **Medium to High Utility Capacity:** Designed for medium to high-density utility network installations.
- **Flared Wall Design:** Provides enhanced installation stability while maximizing internal volume for cable slack and enclosure management.
- **Lightweight Composite Construction:** Manufactured from high-strength composite materials for improved handling and installation.
- **Enhanced Cable Management:** Accommodates larger fibre counts, splice closures, and cable slack requirements.
- **Efficient Transport and Storage:** Stackable design enables high packing density, reducing transport and storage costs.
- **Custom Branding:** Standard **Fibre Optic** branding, with custom branding available upon request.
- **Quality Manufacturing:** Manufactured in an ISO 9001 certified facility and tested in accordance with relevant national and international standards.

Performance

- High compressive and flexural strength
- High impact resistance and stiffness (modulus of elasticity)
- Good fatigue resistance and low creep under sustained loads
- Inherently resistant to corrosion, rot, moisture, absorption, freeze-thaw cycles and biological attacks.
- Inherent resistant to chemicals such as oils, fuels, dilute acids, alkalis, salts, wastewater and sewage environments.
- Electrically non-conductive, non-corrosive to metallic cable components, suitable for electrical isolation applications.

	RFW 24 x 36 x 30
Dimensions	1146mmx760mm
Load Class	SABS Heavy Duty (135kN) EN124: B125 (12.5) ANSI Tier 15 (100.1kN) ANSI Tier 22 (150.1kN)
Accessories	Slack Bracket Dome Closure Bracket
Branding	As per customer specification
Overall Weight	144.9lbs [65.7kg]



fibreFLEX™ 350FF

fibreFLEX™ 500FF

fibreFLEX™ 750FF

fibreFLEX™ 900F

Specs and Techs: fibreFLEX™ Modular Utilities Chamber Range

Description:

fibreFLEX™ Modular Utilities Chambers offer unmatched flexibility to the installer in underground fiber and other utility networks.

The fibreFLEX™ Range of composite utilities chambers is a state-of-the-art solution where multiple panel arrangements are supplied in a "flat pack" format, which is easily assembled on site resulting in various length and depth configurations.

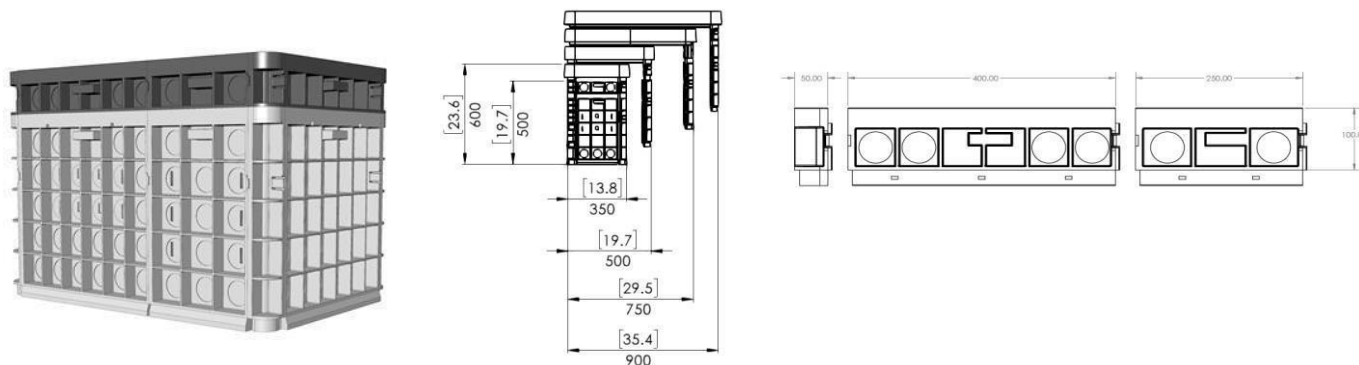
Different combinations of panels allow for different chamber sizes, and our design also allows for vertical extension where deeper trenching standards and potential road or paving upgrades exist (floating lid).

Features and Benefits:

- fibreFLEX™ Modular Chambers are available with **RAMAC™** Smart Monitoring and Security Technology solutions.
- Multi-port knock outs offer varying duct diameter interface options with m4a (Pty) Ltd.'s fibreDUCT™ range.
- A composite design allows high strength / low weight – installation cost savings.
- Size flexibility suited to all fiber and utility traffic installations.
- Easy assembly with basic hand tools only.
- Interoperability with m4a (Pty) Ltd.'s selection of CNKT™ Fiber Splice Closure Range of Products.
- Manual on-site sawing of ports is possible to accommodate existing utilities.
- The use of high strength composites for covers improves load bearing capabilities and eliminates theft and corrosion.
- Flat Pack format allows for increased shipping volumes - transport cost savings.
- fibreFLEX™ Modular Utilities Chambers are available with carbon friendly materials – Taking Carbon Back.

	350FF	500FF	750FF	900FF
Dimensions	350mm (13.8") x 350mm (13.8") x 500mm (19.7")	500mm (19.7") x 500mm (19.7") x 500mm (19.7")	750mm (29.5") x 500mm (19.7") x 500mm (19.7")	900mm (35.4") x 500mm (19.7") x 500mm (19.7")
Load Class	Medium Duty (40kN) EN124: B125 (12.5T) ANSI: Tier 15 (10.2T), Tier 22 (15.3T)	Medium Duty (40kN) EN124: B125 (12.5T) ANSI: Tier 15 (10.2T), Tier 22 (15.3T)	Medium Duty (40kN) EN124: B125 (12.5T) ANSI: Tier 15 (10.2T), Tier 22 (15.3T)	Medium Duty (40kN) EN124: B125 (12.5T) ANSI: Tier 15 (10.2T), Tier 22 (15.3T)
Branding	As per customer requirement	As per customer requirement	As per customer requirement	As per customer requirement

For incremental depth, add 100mm Extension Panels



Loading Quantities	6m (20') Container	12m (40') Container	18m Truck and Trailer
350 x 350mm (14" x 14")	490	980	1470
500 x 500mm (20" x 20")	266	532	840
750 x 500mm (30" x 20")	175	350	588
900 x 500mm (36" x 20")	161	322	476

Specs and Techs: fibreDUCT™

Description

Microduct and Multiduct are conduits used in Fiber Optic installations to route and protect the sensitive Fiber optic cable. In some installations only single ducts are used and in most other installations multi ducts are used.

Features and Benefits

- MicroDucts are produced as Single Ducts, and factory bundled with polyethene over sheaths to suit Client requirements for MultiDuct.
- Multiple pathways for an optimised installation cost allow for flexibility and future growth.
- Standard tools or equipment are utilised, the same as for traditional conduit or innerduct installation.
- Multiple configurations available.

Applications

- Suited to Direct Bury for some configurations and Direct Installation within a sleeve for other.
- It can be installed in an HDPE pipe and sub-duct.
- Certified for FTTx deployment.

Installation Types

Subdivided Conduit Plow	Directional Bore Tray	Micro Trench Trench
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Configurations

Single duct	2-way	3-way	4-way	7-way	8-way
10-way	12-way	19-way	24-way		

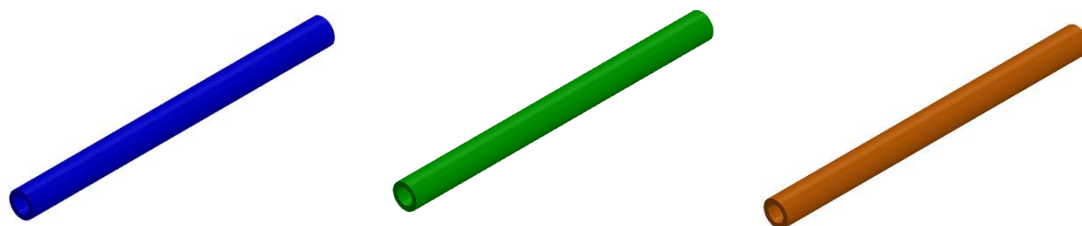


Construction	
Tubes:	The individual tubes are manufactured from high-density polyethylene and have co-extruded silicone layers with a low co-efficient of friction.
Sheathing:	The sheathing is High-Density Polyethylene with UV stabilization.
Drum Length:	Each drum is shipped with an estimated 1000m up to 2000m lengths, depending on configuration. Length may vary by 0.1%. Special configurations might vary from the above lengths.

MultiDuct Colours (TIA/EIA Standards)	BLUE	ORANGE	GREEN	BROWN	SLATE	WHITE	Additional colours available as per customer specifications
	RED	BLACK	YELLOW	VIOLET	ROSE	AQUA	

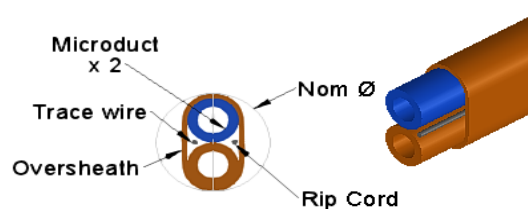
Mechanical Tests and Compliance Criteria		
Impact Resistance:	Test Method IEC 60794-1-2 Method E4	Compliance
Crush Resistance:	Test Method IEC 60794-1-2 Method E3	Compliance
Tensile Performance:	Test Method IEC 60794-1-2 Method E1	Compliance
Flexibility (Bend):	Test Method IEC 60794-1-2 Method E6	Compliance
Kink Resistance:	After 10 minutes no kinking shall occur.	Compliance
Friction Co-efficient:	The calculated friction co-efficient shall be less than 0.1	Compliance
Hydrostatic Pressure Test:	MicroDuct shall not burst.	Compliance
Chemical Resistance:	The duct shall withstand chemical treatment.	Compliance
Environmental Stress Cracking:	No cracks or ruptures shall be visible.	Compliance

Specs and Techs: Single Duct



MicroDuct OD/ID (mm)	Nom OD (mm)	MicroDuct Min ID (mm)	Weight (g/m)	Bend Radius Sup* (mm)	Bend Radius UnSup* (mm)
7/4	7	4	24.8	140	200
8/5	8	5	29.5	160	220
12/8	12	8	60	160	240
12/10	12	10	32.8	160	240
14/10	14	10	72.2	160	280
16/12	16	12	84.5	160	320
16/13	16	13	63.6	160	320
18/14	18	14	94.2	180	360
18/15	18	15	73	180	360

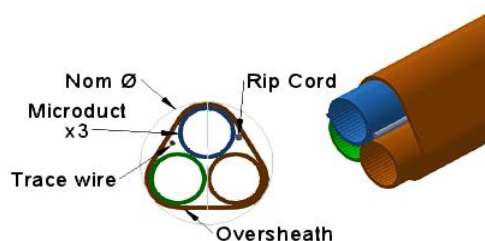
Specs and Techs: MultiDuct 2-Way



MicroDuct OD/ID (mm)	Nom OD (mm)	MicroDuct Min ID (mm)	Over sheath (mm)	Weight (g/m)	Bend Radius Sup* (mm)	Bend Radius UnSup* (mm)
7/4	7	4	1	87.3	100	200
8/5	8	5	1	101.5	110	220
12/8	12	8	1	182.2	260	520
12/10	12	10	1	127.8	260	520
14/10	14	10	1	217.3	300	600
16/12	16	12	1	251.6	340	680
16/13	16	13	1	209.2	340	680
18/14	18	14	1	286.2	340	680
18/15	18	15	1	259.4	340	680

* Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.

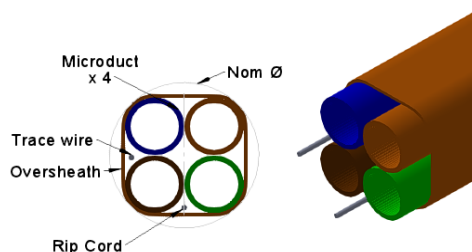
Specs and Techs: MultiDuct 3-Way



MicroDuct OD/ID (mm)	Nom OD (mm)	MicroDuct Min ID (mm)	Over sheath (mm)	Weight (g/m)	Bend Radius Sup* (mm)	Bend Radius UnSup* (mm)
7/4	7	4	1	118.9	156	312
8/5	8	5	1	138.9	175	350
12/8	12	8	1	253.8	283.6	567.20
12/10	12.7	10	1	172.2	283.6	567.20
14/10	14	10	1	303.3	326.6	653.2
16/12	16	12	1	351.8	350	700
16/13	16	13	1	288.2	352	705
18/14	18	14	1	400.1	412.8	825.6
18/15	18	15	1	334.1	412.8	825.60

* Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.

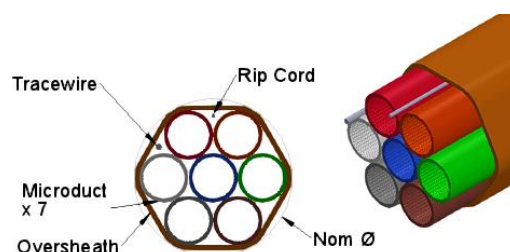
Specs and Techs: MultiDuct 4-Way



MicroDuct OD/ID (mm)	Nom OD (mm)	MicroDuct Min ID (mm)	Over sheath (mm)	Weight (g/m)	Bend Radius Sup* (mm)	Bend Radius UnSup* (mm)
7/4	7	4	1	150.2	165	330
8/5	8	5	1	175.9	190	280
12/8	12	8	1	325.3	315	630
12/10	26,5	10	1	216.5	315	630
14/10	14	10	1	389.4	358	716
16/12	16	12	1	451.9	416.3	832.60
16/13	16	13	1	367.1	416.3	832.60
18/14	18	14	1	514.4	455	910
18/15	18	15	1	426.4	455	910
22/16	22	16	1.25	564	71	1194

* Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.

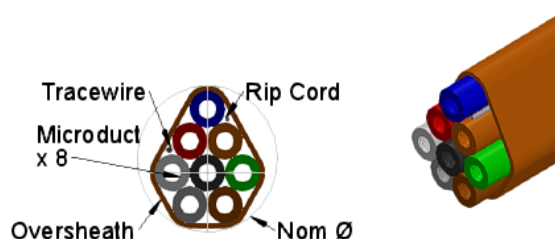
Specs and Techs: MultiDuct 7-Way



MicroDuct OD/ID (mm)	Nom OD (mm)	MicroDuct Min ID (mm)	Over sheath (mm)	Weight (g/m)	Bend Radius Sup* (mm)	Bend Radius UnSup* (mm)
7/4	7	4	1	238	216	432
8/5	8	5	1	279.7	244	488
12/8	12	8	1	528.3	385	770
12/10	38.5	10	1	337.9	385	770
14/10	14	10	1	634.2	445	890
16/12	16	12	1	737	460	920
16/13	16	13	1	588.6	460	920
18/14	18	14	1	840.8	560	1120
18/15	18	15	1	686.8	560	1120

* Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.

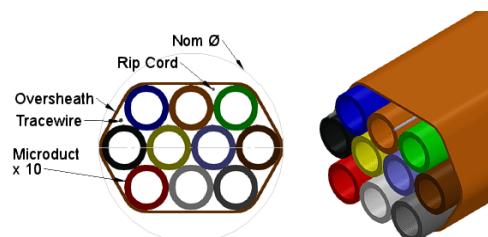
Specs and Techs: MultiDuct 8-Way



MicroDuct OD/ID (mm)	Nom OD (mm)	MicroDuct Min ID (mm)	Over sheath (mm)	Weight (g/m)	Bend Radius Sup* (mm)	Bend Radius UnSup* (mm)
7/4	7	4	1	269.6	270	540
8/5	8	5	1	316.9	313	626
12/8	12	8	1	599.8	463.6	927.2
12/10	12.7	10	1	382.2	463.6	927.2
14/10	14	10	1	720.1	542.2	1084.4
16/12	16	12	1	837.4	611.1	1222.2
16/13	16	13	1	667.8	611.1	1222.2

* Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.

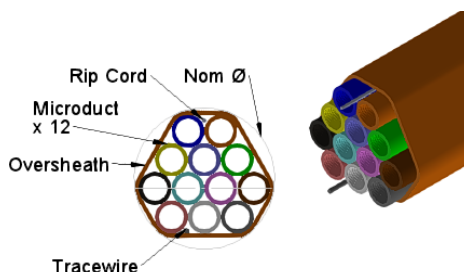
Specs and Techs: MultiDuct 10-Way



MicroDuct OD/ID (mm)	Nom OD (mm)	MicroDuct Min ID (mm)	Over sheath (mm)	Weight (g/m)	Bend Radius Sup* (mm)	Bend Radius UnSup* (mm)
7/4	7	4	1	336.6	244	488
8/5	8	5	1	383.6	244	488
12/8	12	8	1	731.4	500	1000
12/10	12.7	10	1	459.4	500	1000
14/10	14	10	1	879	580	1160

* Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.

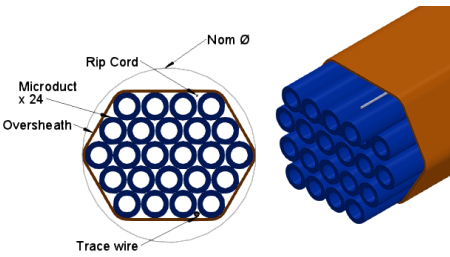
Specs and Techs: MultiDuct 12-Way



MicroDuct OD/ID (mm)	Nom OD (mm)	MicroDuct Min ID (mm)	Over sheath (mm)	Weight (g/m)	Bend Radius Sup* (mm)	Bend Radius UnSup* (mm)
7/4	7	4	1	382.3	272	544
8/5	8	5	1	450.3	349	698
12/8	12	8	1	720	510	1020
12/10	12.7	10	1	393.6	510	1020
14/10	14	10	1	1037.4	590.80	1181.60

* Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.

Specs and Techs: MultiDuct 24-Way



MicroDuct OD/ID (mm)	Nom OD (mm)	MicroDuct Min ID (mm)	Over sheath (mm)	Weight (g/m)	Bend Radius Sup* (mm)	Bend Radius UnSup* (mm)
7/4	7	4	1	714.2	338	676
8/5	8	5	1	851	593	1186

* Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.



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