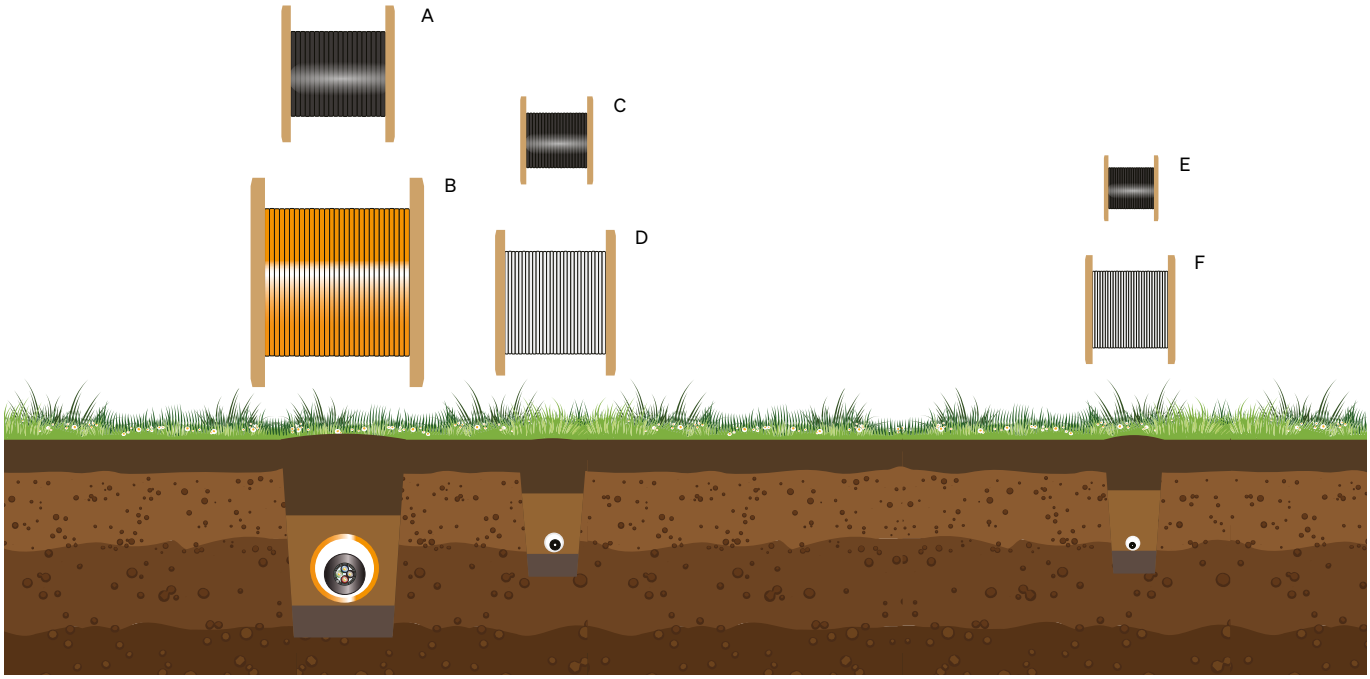
Hexatronic Australia

InOne: Powered Fiber System



A) Power Cable B) Electrical Conduit C) Optical Cable D) Optical Conduit E) InOne Cable F) Microduct

Power and Fiber - InOne

Hexatronic InOne provides power and data to remote devices well beyond the reaches of POE without the costly requirement of running new dedicated power. Enable your devices with a single, ultra slim micro hybrid cable.

High Power and Data in One Slim Cable

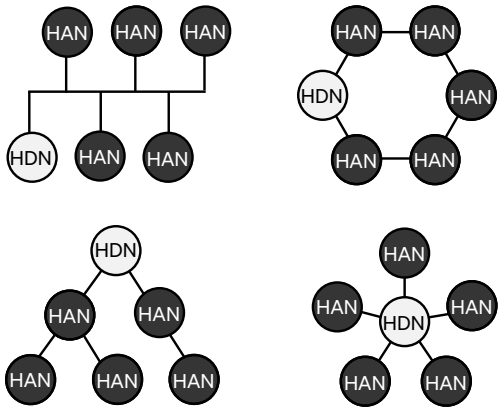
The InOne solution enables power and data transmission up to several kilometers overcoming the distance and power limitations of existing hybrid transmission systems such as PoE and others. Head end rectifiers deliver safe 110 VDC power in the slim cable with minimum loss, while integrated low loss singlemode fiber enables connectivity. At the end point the power is transformed back into stable low voltage DC to power common devices. The InOne system is safety tested and approved in accordance to various international standards.

Remote Connectivity and Power at the Lowest Total Cost

Installing InOne slim hybrid cables into microducts can reduce your total cost by up to 70% when compared with the installation of separate power and fiber cables and associated infrastructure. In addition as the InOne system operates on Extra Low Voltage, it can be installed in existing telecommunications infrastructure, further reducing total cost.

Support for All Network Topologies

The InOne solution can supply reliable power and connectivity to multiple remote locations from one central source. Redundant power supplies and centralised UPS protect against local power failure ensuring maximum device uptime. Bus, ring, tree or star topology are natively supported by the InOne solution and when using ring topology, redundancy against cable cuts for both power and fiber is provided.



HDN: Hybrid Distribution Node
HAN: Hybrid Access Node

Hybrid Distribution Node - HDN

The Hybrid Distribution Node (HDN) contains the InOne Power Rectifier that converts the 240VAC to safe, high power 110VDC transmission. It also includes the Hybrid ODF that is used to terminate the fiber and power cores of the InOne hybrid cable.

The HDN can also connect to a 3rd party UPS for protection against power failure. Contact Hexatronic for more information on suitable UPS.

HBMR136200/3	Switched rectifier 120W
HBMR136200/5	Switched rectifier 480W
HBMR136200/6	Switched rectifier 1000W
HBMR136202	N+1 Redundancy Controller

HNCD520225/11	Hybrid ODF 6x LCD
HNCD520235	4RU Rackmount DIN Rail

Micro Hybrid Cables

The ultra slim Hexatronic InOne micro hybrid cables are designed for installation by blowing into micro-ducts or hauling through conduit. Indoor HFFR and outdoor HDPE variants are available.

TOL4079028/12	12F + 4×0.75 mm² Cu
TOL4079029/24	24F + 4×1.5 mm² Cu
TOL4079036/24	24F + 8×1.5 mm² Cu
TOL4079033/24	24F + 4×1.5 mm² Cu HFFR
TOL4079037/48C	48F + 8×1.5 mm² Cu Aerial

Hybrid Access Node - HAN

The Hybrid Access Node (HAN) is the integrated ODF and power supply unit for your remote devices. It terminates the power and fiber cores and contains an industrial DC to DC voltage regulator.

Available as either a fully integrated IP65 Aluminium closure, or alternatively as DIN rail mountable components for integrating into existing cabinets and switchboards.

HNCD520242/70 AA	HAN E10 480w 48/56V ASSA
HNCD520242/70	HAN E10 150w 48/56V ASSA
HNCD520242/1	HAN E10 150w 48/56V
HNCD520252/1	HAN E3 150w 48/56V

HNCD5242/20	HAN Sunshield
HNCD520225/11	DIN Mount Hybrid ODF 6x LCD
DDR-120D-48	DIN Mount Node 120w 48-56V
DDR-120D-24	DIN Mount Node 120w 24-28V
DDR-120D-12	DIN Mount Node 120w 9-14V

Components: (from top left)
110VDC Power Supply | Hybrid ODF | Hybrid InOne Cable
Microduct Assembly | 48/56V Hybrid Access Node
48/56V DIN Access Node | Remote DIN Hybrid ODF

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