

Flexible Metal Clad Cable

▪ power ▪ control ▪ instrumentation ▪ data ▪ telecommunications

Cable Manufacturing



Strip Armouring represents a low cost physical protection for power, instrumentation, control, telecommunication and data applications.

The combination of high tensile strength, crush and impact resistance characterises the performance of this cost effective protection and makes it the preferred choice in many demanding global markets.



A multi-million pound investment in our facility in Durham includes state of the art armouring lines, developed in the United States and adapted to suit our domestic requirements.

High speed BX lines are capable of applying aluminium, galvanised steel or stainless steel strip armour over a huge variety of cable types, including power, data, fibre and instrumentation. The unique interlocked S profile has a positive lock with low convolution count and provides the optimum compromise between flexibility and physical strength.



Capable of producing metallic armour up to 50mm internal diameter, it is possible to manufacture Metal Clad cables using almost any standard cable product, or any customer-specific requirement.

Due to the flexible manufacturing techniques employed it is possible to construct almost any combination of conductors to make up the cable core - including Hybrid Cables of Power, Control and Data Circuits etc.

Metal Clad Cable (MC Cable)

REDUCE COST

Traditional rigid conduit installations have long been considered a time consuming and therefore very costly method of cable distribution in commercial and industrial premises.

Apex Cables flexible metal clad cable now offers an economic alternative wiring solution to address most electrical and data wiring needs.

Specifiers, contractors and the construction industry alike, recognise that installation costs can be reduced by up to 80%, by using metal clad cable – requiring only a few simple handtools. Time intensive tasks such as bending, threading, reaming and fixing of rigid pipe are completely eliminated – not to mention the second fix pulling of cable.

Typical installed cost of a 3 Core x 4mm LSOH Metal clad cable is £3 per metre compared to that of a traditional conduit installation – normally in excess of £10 per metre.

IMPROVE PRODUCTIVITY

The time constraints imposed on the electrical industry by fast track construction programs mean that Apex metal clad cables are an ideal solution to fulfil every project requirement.

Metal Clad Cables can be installed almost as quickly as it takes to de-reel them from the drum, providing huge time saving advantages not only for the installer but also for the client.

INCREASE FLEXIBILITY

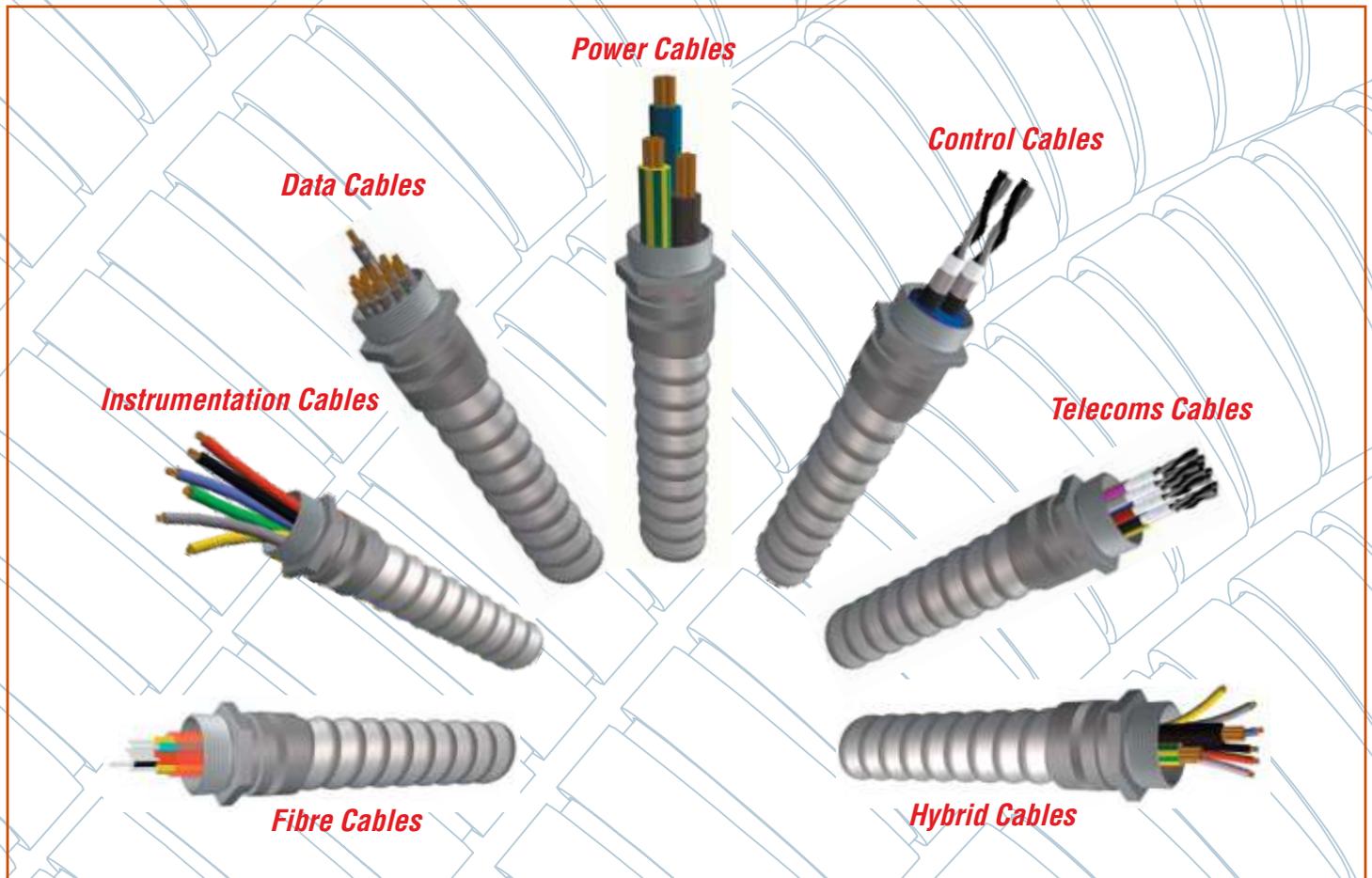
Apex metal clad cables offer tremendous flexibility. They are suitable for installation in exposed or concealed areas, on cable trays or in ducts. Cables are equally suitable for installation in ceiling or floor voids or behind walls.

Due to its flexible construction metal clad cables are an ideal solution in buildings where equipment may be moved due to churn or refurbishment as the system allows for simple re-routing and reuse.

Cable Construction

A high strength metallic sheath of aluminium, galvanised steel or stainless steel forms an effective protective cover around the cable core. The spiral sheathing process eliminates any risk of damage to the core typically associated with pulling cables through conduit or trunking.

Mylar Tape can be applied over multi conductor cables along with cable marker tape for ease of identification.



Product Features

- Full Mechanical Protection
- Enhanced protection from fire and flame
- Resistant to rodent and insect infestation
- High speed installation
- Quick fit glanding system & accessories
- Snap fit fixing and suspension accessories
- Available in up to 2km lengths Sizes from 16mm - 50mm OD
- One simple hand tool required
- Fully Tested

Product Applications

- Commercial
- Industrial / Warehousing
- Healthcare
- Education
- Leisure
- Public Sector
- Tunnels
- Marine & Offshore
- Public Transportation / Infrastructure

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