BUILDING MANAGEMENT & SECURITY SYSTEM CABLES

A building management system (BMS) in principal is a computer-based control system installed in buildings that controls and monitors the building's mechanical and electrical equipments.

Many current public and private buildings, such as offices, hotels, hospitals, airports, amusement parks, retail outlets, schools, stadiums and other such places, all have surveillance systems to track visitors and employees. The purpose of these systems is clear: to protect people, the facility and its assets.

So more and more equipments and installations are designed for control, monitoring and optimization of various functions and services provided in a building that includes: heating, ventilation, air-conditioning, lighting, security systems, fire alarm, access control and the operation of electric / electronic applications.

Based on the continuous demands of the market, Agilon has developed cables specially for building management system applications.

Access Control

Security Systems

Sound/Audio Systems

APPLICATIONS

Monitor / Detection

Fire Alarm Systems

HVAC System

Addressable Fire Systems

Power-Limited Controls

Lighting Control

Modbus Communication | Intercom / PA Systems | Chiller Management | Car Park Exhaust System | Control / Initiating / Notification Circuits

RANGE / TYPE

Our BMS cables are manufactured in a wide variety of gauge sizes, shielding configurations and jacketing materials including FRLSH, PVC, LSZH & HDPE.

Sizes:
12 AWG - 28 AWG / 0.08 to 2.50 Sq.mm,
2 Core - 12 Core & 1 Pair to 8 Pair

SHIELDED CABLES	RS 232/422 CABLE	MICROPHONE CABLES	CCTV CABLES	CONTROL CABLES
UNSHIELDED CABLES	SPEAKER CABLES	CO-AXIAL CABLES	FIBER OPTIC CABLES	FIRE SURVIVAL CABLES
DOUBLE SHIELDED CABLES	KNX CABLES	LAN CABLES	FIRE ALARM CABLES	PLENUM RATED CABLES
RS 485 CABLES	DMX CABLES	TELEPHONE CABLES	INTRUDER ALARM CABLES	COMPOSITE HYBRID CABLES

GENERAL CONSTRUCTION

Conductor:

Annealed Bare Copper / Tinned Copper
(Solid / Stranded / Flexible / Extra Flexible)

Tapes (If required):

Mica Tape / Water Blocking Tape / Fiber Glass Tape

Shielding Types:

- Overall Shielded with Aluminium Mylar Tape in contact with ATC Drain Wire.

- Individual Pair Shielded with Aluminium Mylar Tape in contact with ATC Drain Wire.

- Individually Pair Shielded & Overall Shielded with Aluminium Mylar Tape along with ATC Drain Wire + Overall Annealed Tinned Copper Wire Braiding.

- Double Shielded Aluminium Mylar Tape along with ATC Drain Wire & ATC Copper Braid.

- Overall ATC Copper Braid.
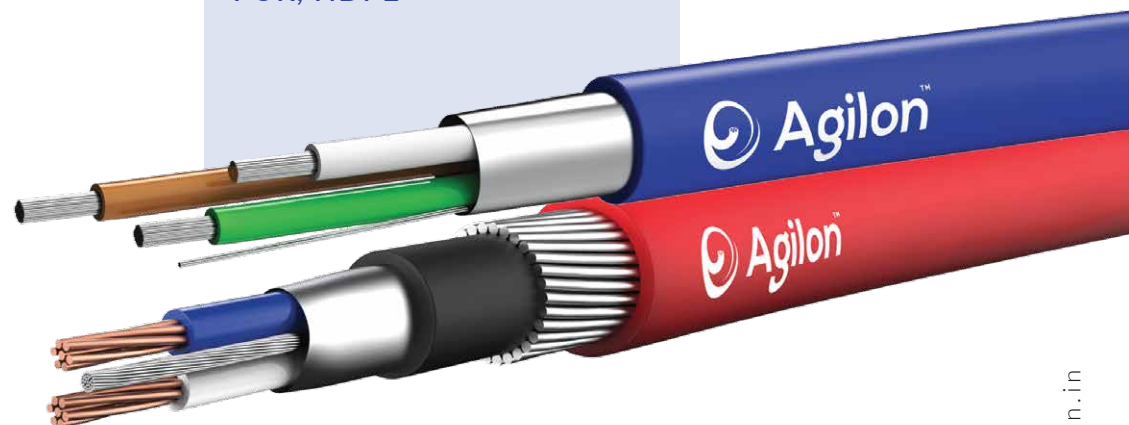
- Single / Double Spiral Shield.

Unshielded as per requirement

Armoured / Unarmoured:
Round Galvanized Iron Wire / Flexible Steel Wire Braid

Insulation and Jacketing Materials:
PVC / FR PVC / FRLSH PVC, XLPE, Polyolefin (PE / PP / Foam PE), Halogen-free (LSZH / FRNC / HFFR), Rubber (Silicone / EPR), PUR, HDPE

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FEATURES / OPTIONS

Multicore
& Pair

100 % Shielding
Coverage

Fire
Resistant
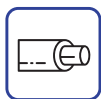
Shielded /
Unshielded Cables

High Flame
Performance

Water
Resistant

Twisted
Pairs

Plenum and
Non Plenum

Resistance to
Fire Alone
950°C for 3 Hrs

Polyolefin
Insulated

Sunlight
Resistant

Highly Flexible

Low
Capacitance

Anti Rodent /
Termite

Composite /
Hybrid Cables

STANDARDS / COMPLIANCE

- **EN 50290 / EN 50288-7: Multicore / Multipair Shielded & Braided Flexible Cables**

- **EN 50288-7, IS 1554 (Part-1): Shielded Armoured Cables**

- **BS 7846 / BS 7629 / IS 17505 (Part-1): Fire Survival Cables**

- **ITD Specification, GR / WIR 06/03: Telephone Cables**

- **ANSI / SCTE 74 2011: Co-axial Cables**

- **ANSI / TIA-568C.2: LAN Cables**

- **BS 4737: Security Alarm Cables**

- **BIS, IEC & AGILON Specification for other Non Standard Cables**

ISO 9001 ISO 14001 ISO 45001 REACH COMPLIANT RoHS compliant CE IEC MADE IN INDIA