Our other range of products

Flexible Cable
- Single Core Industrial Flexible Cable
- Multi Core Industrial Flexible Cable
- Co Axial TV Cable
- Submersible Cable
- Telephone Switch Board Cable

Rhino LED Lighting
- Indoor Lighting
- Retail Lighting
- Warehouse Lighting
- Healthcare Lighting
- Outdoor Lighting
- Corporate campus Lighting
- Facades
- Residential Lighting

Wire Rod
- Aluminium and Alloy as per AA - 1300, 1350, 6063, 8011

Cable Range
- HT-LT Power Cables (69 KV) - 11 KV LT XLPE
- PVC Power Cables - HT-LT Aerial Bunched Cables
- Instrumentation Cables - Control Cables - Flexible Wire
- Mining Cables - Thermocouple Cables - Airfield Lighting Cables
- Railway Signalling Cables - Other Specialised Cables
- Overhead Conductors - HVAC - EPC

Optical Fibre Cable
- Duct Cable
- Armoured Cable
- Cable with Glass Roving
- Micro Cable
- ADSS Cable
- Aerial Cable
- Hybrid Cables
- CATV Cables
- FTTH Cables
- Indoor Cables

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Khurda 752 054

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Plot No. 132
Nauroganj Ind. Estate
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Kashipur 244 713

TAMIL NADU
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SITCO Ind. Estate,
Gummidipoondi 603 101

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Over 5 decades, Gupta Power has been continuously working to support the customers to provide cost effective energy efficient solutions.

A special dedicated R&D team is working to develop various new products to enhance the power transmission and distribution networks to address the global power demand.

Gupta Power has state-of-the-art manufacturing facilities to make its new products. It also has highly qualified and experienced professionals that provides end to end solutions for T&D sector to minimize the CAPEX and OPEX.

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Duct Cable:

1. Uni Tube Cable

Over view:- Duct Cable is designed to be pulled into ducts in service ducts of an optical cable communication network. Its non-metallic characteristic enables it to be installed in an environment where there is electrical interference, for example alongside power lines. The cable design is available in unibore (up to 12 fibres), the design is lightweight and flexible and able to withstand normal installation forces of strain, crush, bend and twist. Glass yarn can be added for extra axial pulling strength and glass yarn or polyamide can be used as protection against rodents.

Application:
- Backbone network routes,
- Telecommunication and data trunk
- Secondary distribution
- Placement in ducts or on cable trays

Options Available
- HDPE as outer Jacketing Available
- Fibre options: SM (G652B/D, G655 & G657)
- Customized designs are available on request

2. Multi Tube Cable

Cable Construction:-
The cable has multiple loose tubes containing optical fibers and jelly. Loose tubes are S-Z stranded around non metallic central strength member (FRP). Suitable for blowing in ducts/ PVC pipes

Over View:- Duct Cable is designed to be pulled into ducts in service ducts of an optical cable communication network. Its non-metallic characteristic enables it to be installed in an environment where there is electrical interference, for example alongside power lines. The cable design is available in unibore (up to 12 fibres), multitube (up to 144 fibres). The design is lightweight and flexible and able to withstand normal installation forces of strain, crush, bend and twist. Aramid or glass yarn can be added for extra axial pulling strength and glass yarn or polyamide can be used as protection against rodents.

Environmental conditions
- Temperature ranges for installation and assembly: -5°C + 40°C
- Operation temperatures: -20°C + 60°C
- Transport and store temperatures: -40°C + 70°C
- Minimum bending radius: Min. 10 D

Options Available
- LSZH/HDPE as outer Jacketing Available
- Customized designs are available on request.
- Fibre options: SM (G652B/D, G655 & G657), MM (OM1, OM2, OM3 & Om4)
- Dry core construction is optional.
- Composite of various types of fibers (SM & MM).
- Metallic central strength member option available.
- Higher Count Fiber cable designs are available on request.
Armored Cable:

1. Uni Tube Armored Cable

Cable Construction:
Loose tube containing fibers and jelly is centrally located and additional glass reinforcements are applied to provide high tensile strength and cushion loose tube. Armor of corrugated steel tape provides high crush resistance & tensile strength. Steel wire strength members are embedded in HDPE sheath to provide extra tensile strength. The corrugated steel tape is co-polymer coated at both sides. ECCS Tape armoring provide excellent rodent /rough Terrain protection.

Over View:
Direct Burial Cable is designed to be placed directly under the ground either by trenching or ploughing. The metallic cable is armored with corrugated steel tape that provides good protection against rodents and allows the cable to retain outstanding flexibility for easy installation. The cable design is available in unitube (up to 12 fibers) and Multitude single sheathed/ double sheathed construction (up to 144 fibers).

Options Available
LSZH/PVC/HDPE as outer Jacketing Available.
Customized designs are available on request.
Fiber options: SM (G652B/D, G655 & G657), MM (OM1, OM2 & Om3)
Dry core construction (non jelly) is optional.
Composite of various types of fibers (SM & MM).
Metallic central strength member option available.

2. Single Sheath Armored Cable

Over view:
Direct Burial Cable is designed to be placed directly under the ground either by trenching or ploughing. The metallic cable is armored with corrugated steel tape that provides good protection against rodents and allows the cable to retain outstanding flexibility for easy installation. The cable design is available in unitube (up to 12 fibers) and multi tube single sheathed/ double sheathed construction (up to 144 fibers).

Environmental conditions
- Temperature ranges for installation and assembly: -5°C to +40°C
- Operation temperatures: -20°C to +60°C
- Transport and store temperatures: -40°C to +70°C
- Minimum bending radius: Min. 10 D

Options Available
LSZH/HDPE as outer Jacketing Available
Customized designs are available on request.
Fiber options: SM (G652B/D, G655 & G657), MM (OM1, OM2, & OM3)
Dry core construction is optional.
The corrugated steel tape is co-polymer coated at both sides.
ECCS Tape armoring provides excellent rodent /rough terrain protection
3. Double Sheathed Armored Cable

**Overview:** Direct Burial Cable is designed to be placed directly under the ground either by trenching or ploughing. The metallic cable is armored with corrugated steel tape that provides good protection against rodents and allows the cable to retain outstanding flexibility for easy installation. The cable design is available in unitube (up to 12 fibers) and multi-tube single sheathed/double sheathed construction (up to 144 fibers).

**Cable Construction:**
- Loose tube containing fibres and jelly are stranded around a central strength member (FRP).
- Armour of corrugated steel tape provides the necessary strength required for direct burial applications.
- ECCS Tape armouring provides excellent rodent/rough terrain protection.

**Environmental Conditions**
- Temperature ranges for installation and assembly: -5°C to +40°C
- Operation temperatures: -20°C to +60°C
- Transport and store temperatures: -40°C to +70°C
- Minimum bending radius: Min. 10D (D = Cable outer diameter)

**Options Available**
- LSZH/FRPVC/HDPE as outer Jacketing Available
- Customized designs are available on request.
- Fibre options: SM (G652B/D, G655 & G657), MM (OM1, OM2 & OM3)
- Dry core construction is optional.
- Composite of various types of fibers (SM & MM).
- Metallic central strength member option available.
- Higher Count Fiber cable designs are available on request.

**Micro Cable**

**Multi Tube Micro Cable Design**

Micro cables suitable for Fibre-To-The Home (FTTH) applications for the installation into duct/micro ducts. Extending optical fibres reach directly to the residence/business is the next logical step to provide high-speed broadband services (such as high speed data, delivering voice services, and high quality video service).
ADSS Cable

1. Uni Tube ADDS Cable

**Overview:** Aerial Cable is designed with integral bearer for installation on utility poles of an optical cable communication network. The cable design is available in unibody (up to 12 fibers), multi tube design- single sheath construction (up to 144 fibers) and multi tube design- double sheath construction (up to 96 fibers) and figure-8 design. The design is lightweight and flexible and able to withstand normal installation forces of strain, crush, bend and twist.

All Dielectric Self Supporting (ADSS) cable is designed for installation on poles with maximum span of 100 meters. It can be supplied with loose and ribbon fiber or both. The aramid yarn strength member and the radial shape of the slotted core profile provide an effective protection against tension and radial forces applied by the cable fittings. Being completely dielectric, the cable can be installed parallel with power lines. Light weight permits larger spans. Ideal for direct installation on poles and buildings.

**Options Available**
- Nylon/HDPE as outer Jacketing Available.
- Customized designs are available on request.
- Fibre options: SM (G652B/D, G655 & G657), MM (OM1, OM2 & OM3)
- Dry core construction (non jelly) is optional.
- Composite of various types of fibres (SM & MM).
- Metallic central strength member option available.
- High strength cable construction is available on request.
- Higher count fiber cable designs are available on request.

2. Single Sheathed ADSS Cable

**Overview:** Aerial Cable is designed with integral bearer for installation on utility poles of an optical cable communication network. The cable design is available in unibody (up to 12 fibers), multi tube design- single sheath construction (up to 144 fibers) and multi tube design- double sheath construction (up to 96 fibers) and figure-8 design. The design is lightweight and flexible and able to withstand normal installation forces of strain, crush, bend and twist.

All Dielectric Self Supporting (ADSS) cable is designed for installation on poles with maximum span of 100 meters. It can be supplied with loose and ribbon fiber or both. The aramid yarn strength member and the radial shape of the slotted core profile provide an effective protection against tension and radial forces applied by the cable fittings. Being completely dielectric, the cable can be installed parallel with power lines.

**Cable Construction:**
- Loose Tube containing fibres and jelly is centrally located. The strength members (FRP) are embedded in the HDPE sheath. A layer of non metallic strength member (aramid yarn) between the inner and outer HDPE sheath provides the extra tensile strengths required for aerial installations. Light weight permits larger spans. Ideal for direct installation on poles and buildings.

**Options Available**
- LSZH/HDPE as outer Jacketing available. Customized designs are available on request.
- Fibre options: SM (G652B/D, G655 & G657), MM (OM1, OM2 & OM3)
- Dry core construction (non jelly) is optional. Composite of various types of fibres (SM & MM).
- Metallic central strength member option available. For high strength cable construction is available on request.
- Higher count fiber cable designs are available on request.

3. Double Sheathed ADSS Cable

**Overview:** Aerial Cable is designed with integral bearer for installation on utility poles of an optical cable communication network. The cable design is available in unibody (up to 12 fibers), multi tube design- single sheath construction (up to 144 fibers) and multi tube design- double sheath construction (up to 96 fibers) and figure-8 design. The design is lightweight and flexible and able to withstand normal installation forces of strain, crush, bend and twist.

All Dielectric Self Supporting (ADSS) cable is designed for installation on poles with maximum span of 100 meters. It can be supplied with loose tubes. The aramid yarn strength member and the radial shape of the slotted core profile provide an effective protection against tension and radial forces applied by the cable fittings. Being completely dielectric, the cable can be installed parallel with power lines.

**Environmental conditions**
- Temperature ranges for installation and assembly: -5°C to +40°C
- Operation temperatures: -20°C to +60°C
- Transport and store temperatures: -40°C to +70°C
- Minimum bending radius: Min. 10 D

**Options Available**
- Customized designs are available on request.
- Fibre options: SM (G652B/D, G655 & G657), MM (OM1, OM2 & OM3)
- Dry core construction (non jelly) is optional.
- Composite of various types of fibres (SM & MM).
- Metallic central strength member option available.
- High strength cable construction is available on request.
- Higher fibre count cable designs are available on request.

Aerial Cable

1. Uni tube Ariel Cable

**Overview:** Smart core Aerial Cable is designed with integral bearer for installation on utility poles of an optical cable Communication network. The cable design is available in unibody (up to 12 fibers), multi tube design single sheath construction (up to 144 fibers) and multi tube design- double sheath construction (up to 96 fibers) and figure-8 design. The design is lightweight and flexible and able to withstand normal installation forces of strain, crush, bend and twist.

All Dielectric Self Supporting (ADSS) cable is designed for installation on poles with maximum span of 100 meters. It can be supplied with loose tube fiber. The aramid yarn strength member and the radial shape of the slotted core profile provide an effective protection against tension and radial forces applied by the cable fittings. Being completely dielectric, the cable can be installed parallel with power lines.

**Cable Construction:**
- The loose tubes containing fibres and jelly are S-Z stranded around a central strength member. A bunch of stranded steel wires are sheathed with core to make the figure-8 construction, ideal for aerial installation. Light weight permits larger spans. Ideal for direct installation on poles and buildings.

**Options Available**
- HDPE as outer Jacketing Available.
- Customized designs are available on request.
- Fibre options: SM (G652B/D, G655 & G657), MM (OM1, OM2 & OM3)
- Dry core construction (non jelly) is optional.
- Composite of various types of fibres (SM & MM).
- Metallic central strength member option available.
- High strength cable construction is available on request.
- Higher count fiber cable designs are available on request.
Hybrid Cables

Cable Construction:
High performance Optical fibres are placed in gel-filled buffer tubes which are stranded around a dielectric central member. Water blocking tape is added to eliminate water ingress & migration. Peripheral strength members are included to provide appropriate pulling tension performance. An insulated pair of copper conductor is used as one of the stranding, elements for power transmissions to energies line components.

Options Available
- LSZH/FRPVE as outer Jacketing Available.
- Customized designs are available on request.
- Fibre options: SM (G652B/D, G655 & G657), MM (OM1, OM2 & OM3)
- Dry core construction (non jelly) is optional.
- Rip Cord is optional.
- Composite of various types of fibres (SM & MM).
- Metallic central strength member option available.
- High count fibre cable designs are available on request.

CATV Cables

Options Available
- HDPE as outer Jacketing Available.
- Customized designs are available on request.
- Fibre options: SM (G652B/D, G655 & G657), MM (OM1, OM2 & OM3)
- Dry core construction (non jelly) is optional.
- Rip Cord is optional.
- Composite of various types of fibres (SM & MM).
- Metallic central strength member option available.
- High fibre count cable designs are available on request.

FTTH Cables

1. Drop Cable - Flat Design

Over View:
suitable for aerial installation to the end connectivity up to home

Cable Construction:
Loose tube containing the fibres and jelly is protected by two FRP rods and sheathed with tough weather resistant HDPE.

Options Available
- Customized designs are available on request.
- Fibre options: SM (G652B/D, G655 & G657), MM (OM1, OM2 & OM3)
- Composite of various types of fibres (SM & MM)
- Metallic strength member option available.
- Higher fibre count cable designs are available on request.

2. FTTH Drop Lite Cable

Over View:
suitable for aerial installation to the end connectivity up to home

Cable Construction:
The 2 fibres embedded in LSZH sheath between 2 ARP rods which can be taken out easily from the LSZH sheath. This is suitable for the successful indoor installation in any type of civil structures

Options Available
- Customized designs are available on request.
- Fibre options: SM (G652B/D, G655 & G657), MM (OM1, OM2 & OM3)
- Composite of various types of fibres (SM & MM)
- Metallic strength member option available.
- Higher fibre count cable designs are available on request.
**FTTH Drop Cable**

**Overview:**
Suitable for aerial installation to the end connectivity up to home.

**Cable Construction:**
Loose tube containing fibres and jelly is placed between two aramid FRP rods. One GFRP rod provides extra tensile strength for aerial installation. This cable is good for last mile FTTH connectivity using poles.

**Options Available**
- Customized designs are available on request.
- Fibre options: SM (G652B/D, G655 & G657), MM (OM1, OM2 & OM3)
- Composite of various types of fibres (SM & MM)
- Metallic strength member option available.
- Higher fibre count cable designs are available on request.

**Indoor Cables**

1. **Duplex & Simplex Cables**

   **Overview:** Indoor cables are flexible, non-gel filled cable for use in telecommunication stations for interconnection between the optical line system and the fiber distribution frame. It is also suitable for data networks. The sheath is made of PVC that has good tensile strength and tear resistance. The cable can be terminated with a wide variety of connectors. Simplex design is supplied with one tight buffered fiber (in single-mode and/or multi-mode) whereas Duplex Design is supplied with two tight buffered fibers, single-mode or multi-mode.

   **Cable Construction:**
   These tight buffered cables are designed for indoor inter-equipment connections. The inside cable is used for installation through a duct or conduit or can be placed on ceiling walls. Also suitable for computer data or TV links, home automation system, terminal link and internal connections. High strength good bending performance, easy to operate and splice. With tight structure, light, weight, small dimension and high tensile strength, it facilitates flexible installations.

   - Aramid Yarn reinforcement for ruggedized protection.
   - Flame retardant.
   - Easy to strip & terminate.
   - Meets IEC 60794, & International standards.

   **Options Available**
   - Tight Buffered coating material: Nylon/PVC/LSZH.
   - Customized designs are available on request.
   - Fibre options: SM (G652B/D, G655 & G657), MM (OM1, OM2 & OM3)
   - Loose tube design also available with Glass Yarns.

2. **Flat Twin Cable**

   **Overview:**
   Indoor cables are flexible, non-gel filled cable for use in telecommunication stations for interconnection between the optical line system and the fiber distribution frame. It is also suitable for data networks. The sheath is made of PVC that has good tensile strength and tear resistance. The cable can be terminated with a wide variety of connectors. Simplex design is supplied with one tight buffered fiber (in single-mode and/or multi-mode) whereas Duplex Design is supplied with two tight buffered fibers, single-mode or multi-mode.

   **Cable Construction:**
   Aramid Yarn reinforcement for ruggedized protection. Flame retardant. Easy to strip & terminate.
   - Meets IEC 60794, & International standards.

   **Options Available**
   - Tight Buffered coating material: Nylon/PVC/LSZH.
   - Customized designs are available on request.
   - Fibre options: SM (G652B/D, G655 & G657), MM (OM1, OM2 & OM3)
   - Loose tube design also available with Glass Yarns.

3. **Break Out Cable**

   **Overview:**
   Indoor cables are flexible, non-gel filled cable for use in telecommunication stations for interconnection between the optical line system and the fiber distribution frame. It is also suitable for data networks. The sheath is made of PVC that has good tensile strength and tear resistance. The cable can be terminated with a wide variety of connectors. Simplex design is supplied with one tight buffered fiber (in single-mode and/or multi-mode) whereas Duplex Design is supplied with two tight buffered fibers, single-mode or multi-mode.

   **Cable Construction:**
   Simplex cables are stranded around central strength member and outer sheath is LSZH. Aramid Yarn reinforcement for ruggedized protection.
   - Flame retardant.
   - Easy to strip & terminate.
   - Meets IEC 60794, & International standards.

   **Options Available**
   - Tight Buffered coating material: Nylon/PVC.
   - Customized designs are available on request.
   - Fibre options: SM (G652B/D, G655 & G657), MM (OM1, OM2 & OM3)
   - Loose tube design also available with Glass Yarns.