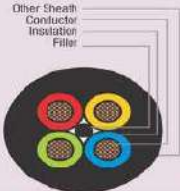
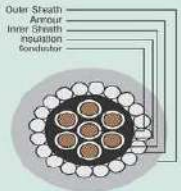
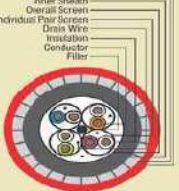
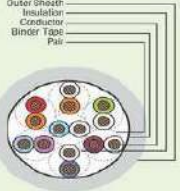
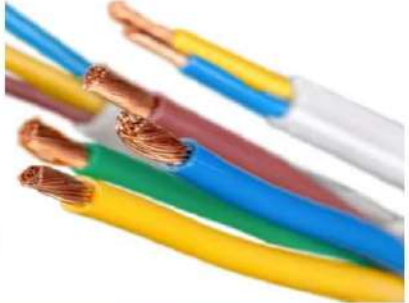


TOTALITARION™

OUR PRODUCT RANGE

Epsilon has capability to design, develop and manufacture high quality power, control, instrumentation and communication cables conforming to Indian/international standards and customer specifications. It's products include:

	Household Wires/ Panel Wires / Flexible Cables	LT (Low Tension) Control Cables (upto 1.1 KV)	LT (Low Tension) Power Cables (upto 1.1 KV)	Instrumentation, Signal and Data Cables	Telephone Cables
APPLICATIONS	Used in House Wiring, Appliances, Control Panels, Machine Tools Machinery, Industry, Building Construction & Submersible Pumps. Suitable for outdoor or low temperature Conditions.	Used in Process Control Systems, Communication and Panel Control Systems and in AC/ DC supply.	Used in connection of Power Supply to Residential, Commercial & Industrial Units	Used in Data Systems, Computer Networking, PA Systems, Digital/ Analog Measurement/ Transmission Systems, RTD Cable Systems, SCADA/ DMS Systems. Suitably designed for Low loss and low interference systems.	Suitable for indoor, interplant & switchboard wiring.
TYPES & SIZES	Single / Multi Core Cables conforming to IS:694:2010, BS:6004, IEC:60227 Single Core Unsheathed / Sheathed Cables upto 630 Sq.mm Multi Core Cables upto 50 sq. mm. Multi Core Flexible Cables upto 4 sq. mm.	PVC Insulated Cables conforming to IS : 1554(Pt-I) / 88 BS : 6316, IEC:60502 Generally manufactured with conductor sizes 1.5 / 2.5 / 4.0 sq.mm.	PVC Insulated cables conforming to IS:1554(Pt-I) / 88/ IEC:60502 / BS-6346 Single Core Cables upto 630 sq.mm; Multi-core upto 16 sq. mm.	Generally manufactured with conductor sizes 0.5 / 0.75 / 1.0 / 1.5 sq.mm. Conforming to BS : 5308-I & II, IEC:189, IS:1554(Pt-I)/98, VDE 0815, IEC:60227	Generally manufactured with conductor sizes 0.4, 0.5, 0.6, 0.71 & 0.9 mm. Conforming to ITD Spec. S/WS-113C (TEC spec. G/WIR - 06/02, May '94), ITD spec. S/WS-114B / 114C
CONFIGURATION	Conductor : Solid / Stranded / Flexible Copper/ Aluminium Insulation : PVC-GP/ HR/ FR/ FRLS Outer Sheath : PVC - GP / HR / FR / FRLS; LSZH	Conductor : Solid / Stranded, Circular, Copper / Aluminium Insulation : PVC - GP / HR Inner Sheath : GP/ HR / FRLS PVC Armour (for Armoured Cables) : Galvanised Steel Round Wire / Flat Strip or Aluminium Wire Outer Sheath : GP/ HR/ FRLS PVC	Conductor : Solid / Stranded, Circular, Copper / Aluminium Insulation : PVC - GP / HR; Inner Sheath : PVC-GP/ HR/ FR/ FRLS Armour (for Armoured Cables) : Galvanised Steel Round Wire / Flat Strip or Aluminium Wire Outer Sheath : PVC-GP/ HR/FR/FRLS	Conductor : Solid / Stranded / Flexible Copper (Bare / Tinned) Insulation : PVC - GP / HR; PE Shielding : individual/ overall by Al-mylar tape / tinned copper wire braid Inner Sheath : PVC, PE, FRLS Armour (for Armoured Cables) : Galvanised Steel Round Wire / Strip Outer Sheath : PVC, PE, FRLS	Conductor : Solid Copper (Tinned) Insulation : PVC Hard Grade Inner Sheath : PVC - GP/ FR/ FRLS Armour (for Armoured Cables) : Galvanised Steel Round Wire/ Strip Outer Sheath : PVC - GP/ FR/ FRLS
SECTIONAL VIEW					
APPLICATIONS	Coaxial Cables Used for transmission of data for in Local Area Networks, Transmission of Video & TV Signals, MATV, Satellite Communication, PLCC Communication etc. <i>*Armoured Co-axial cables also available</i>	Computer Networking Cables Used in Long distance Loss-free Data Transmission for Computer Networks			
TYPES & SIZES	Generally manufactured with impedance of 50, 75, 90, 120 Ω Conforming to RG / UR series, MIL-C-17, BS:2316, IS:11967	Generally manufactured with conductor sizes 24, 22, 20 & 18 AWG			
CONFIGURATION	Conductor : Solid / Stranded / Flexible, Copper (Bare / Tinned), Copper Covered Steel Insulation : PE / Cellular PE Shielding : Al-mylar / copper braid (single or double) Outer Sheath : PVC - GP / HR / FR / FRLS	Conductor : Solid / Stranded / Flexible Copper (Bare / Tinned) Insulation : PVC, PE, Cellular PE Shielding : Copper wire braid Inner Sheath : GP/ HR / FRLS PVC Armour (for Armoured Cables) : Galvanised Steel Round Wire / Strip Outer Sheath : GP/ HR/ FRLS PVC, PE			
SECTIONAL VIEW					

TOTALITARION (OPC) PRIVATE LIMITED

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TOTALITARION™



HOUSE WIRES / BMS Cables

FR/FRLS PVC Insulated single core unsheathed wires, annealed bare Electrolytic high conductivity copper for working voltage upto & including 1100 volt as per IS:694 (latest). Wires with ZHLS / HFFR / Lead free etc. Insulations.



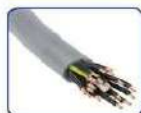
MULTI-CORE ARMoured CONTROL CABLES

Annealed bare Electrolytic high conductivity copper, Type A PVC / C HR PVC / XLPE Insulated, cores color / number coded, Cores laid-up, PVC tape inner sheathed GI WIRE/ Strip armoured, Overall type ST1 / ST 2 PVC sheathed, Working voltage upto & including 1100 volt, conforming to IS:1554 [Part-1], IS:7096[Part-1], BS EN 50288, ZHLS / FRLS / Fire Survival/ Steel Braided



BATTERY CABLES

FR/FRLS PVC Insulated single core unsheathed wires, annealed bare Electrolytic high conductivity copper for working voltage upto 1100 volts as per IS:694



MULTI-CORE CONTROL & POWER CABLES

Annealed bare Electrolytic high conductivity copper, PVC Type D Insulated, cores Colour / number coded, overall Type ST 3 PVC Sheathed, working voltage upto & including 1100 volt, Cables Conforming to IS: 694, ZHLS / FRLS / Fire Survival



FIAT SUBMERSIBLE CABLES

Annealed bare Electrolytic high conductivity copper, Submersible grade Type D PVC Insulated and Type ST3 PVC sheathed, 3 core Flat cables used for electrical connection to the SUBMERSIBLE PUMP MOTORS, working voltage upto & including 1100 volt, ISI marked Conforming to IS:694.



FLEXIBLE POWER and Control CABLES / Pump / Motor / Machine Cables

Annealed bare electrolytic high conductivity copper flexible conductor, PVC type-D Insulated, cores colour coded, overall type ST-3 PVC sheathed, working voltage upto & including 1100 volt, cables conforming to IS: 694, ZHLS / FRLS / Fire Survival



INDIVIDUAL & OVERALL SHIELDED ARMoured / UNARMoured INSTRUMENTATION CABLES-PAIRS / TRIADS

Annealed bare/Tinned Electrolytic high conductivity, Type A/C PVC/HRPVC Insulated, 2/3 Cores are twisted to form Pairs/ Triads, Pairs/Triads are Individually and overall Shielded with Aluminum backed mylar taped along with Annealed tinned copper drain wire in continuous contact with aluminum side of tape, PVC Tape/Extruded PVC inner sheathed, GI Wire/Strip Armoured, overall PVC Type ST-1/ST 2, FRLS/ZHLS etc. Outer sheathed, Instrumentation Armoured Cables conforming to various National / International Standards, working voltage upto & including 1100 volt Signal cables, Also Un Armoured Cables



ROUND SUBMERSIBLE CABLES

Annealed Bare Electrolytic high conductivity Copper Flexible Conductor, Type 'D' PVC Insulated, cores colour coded [Red, Yellow, Blue and Black], Extruded PVC Inner sheathed, Overall Type ST3 PVC Sheathed, Submersible Cable, Outer Sheath Colour Yellow, working voltage upto & including 1100 volt, conforming to IS:694.



TINNED COPPER BRAIDED CABLES

Annealed Bare/ Tinned Electrolytic high conductivity Copper Flexible Conductor, PVC Insulated cores laid-up, PVC taped / Extruded Inner Sheathed, screened with tinned copper wire braiding, overall PVC sheathed working voltage upto & including 1100 volt, as per BS EN 50288, Range: 0.2sqmm to 35 sq. mm (Single & Multi core)



COAXIAL / TRIAXIAL CABLES

Polyethylene/ Foam Polyethylene Insulation with Laminated Aluminum Mylar tape and aluminum / Copper wire braid, PVC Black or any color outer sheathed coaxial cable. Also available with Armoured construction



COMPOSITE CABLES

At the critical installations, where minimum number of connections are possible, connections for different purposes are given through the same cable so as to use this cable for Power/ control / Communication etc. Epsilon cables meeting the customers need by designing special cables for them.



SHOT FIRING CABLES

1100V grade high conductivity annealed Stranded Plain Copper conductor of size 7/0.42mm, Type A PVC Insulated simultaneously on 2 conductors to give a figure of '8' cross section, As per IS:5950, Type 1 & 2 both are available



FLEXIBLE ARMoured CABLES / STEEL BRAIDED CABLES

Annealed bare/ Tinned Electrolytic high conductivity, Single core/ Multi core / Multi Pair PVC/ XLPE Insulated, Stainless Steel wire braided (mechanical support), PVC-ST2/FR / FRLS sheathed cables to provide flexibility and added mechanical protection, Range: 0.5 sq mm to 35 sq mm, Single & Multi Core



DC SOLAR CABLES

Flexible Conductor, Electrolytic grade, tinned copper with high conductivity, Cross linked Polyolefin insulation with zero halogen low smoke properties and Cross linked Polyolefin Sheathed with zero halogen low smoke properties, heat resistant upto 120 C and UV resistant solar cables, suitable for 1800 V DC (colours:- Red & Black), Range: Single core 1.5 sq. mm to 300 sq. mm



LOAD Cell Cables

1100V grade high conductivity annealed Multistranded Tinned copper conductor, Polyethylene insulated, cores colour coded as 1] Red & Black, 2] White & Green, Pairs laid-up, Mylar taped, filler added, Overall Screened with Aluminium Mylar tape along with tinned Copper drain wire touching the metal part of tape, Overall Type ST1 PVC sheathed Cable, and of size as 4C [2P] x 0.5 sq. mm. / 6C [3P] x 0.5 sq. mm



DATA COMMUNICATION CABLES

1100V grade high conductivity annealed Bare Multistranded Copper conductor, Polyethylene Insulated, Two Cores twisted, colour coded, Mylar taped, Pairs are laid up, overall Screened with Aluminium Mylar tape, Additionally screened with Tinned copper wire braid, PVC tape inner sheathed, GI Wire armoured overall extruded Type ST1 PVC inner sheathed, Galvanised steel wire armoured [0.9mm], overall Type ST2 PVC outer sheathed & of Sizes 1 Pair/ Multipair x 0.22 to 1.5 sq. mm [24 AWG/ 16 AWG



RS485, RS232, PROFIBUS CABLES

1100V grade high conductivity annealed Bare Multistranded Copper conductor, Polyethylene Insulated, Two Cores twisted, colour coded, Mylar taped, Pairs are laid up, overall Screened with Aluminium Mylar tape, Additionally screened with Tinned copper wire braid, PVC tape inner sheathed, GI Wire armoured overall extruded Type ST1 PVC inner sheathed, Galvanised steel wire armoured [0.9mm], overall Type ST2 PVC outer sheathed & of Sizes 1 Pair/ Multipair x 0.22 to 1.5 sq. mm [24 AWG/ 16 AWG



FIRE ALARM CABLES / FIELD AUTOMATION CABLES / PA SYSTEM CABLES

1100V grade high conductivity annealed Multistranded Plain copper conductor, Type XLPE Insulated, cores color coded, cores laid-up, Overall Shielded OR Un-shielded, PVC tape Inner sheathed, GI wire armored, Overall Type ST1 FRLS PVC sheathed [Red Colour], Generally conforming to BS:5308 (Part-2) /1988 & IEC:60332 and of sizes - 1 Pair 16 / 18 / 20 AWG

TOTALITARION (OPC) PRIVATE LIMITED

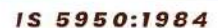
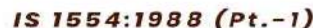
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Email : info@totalitarion.com

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OUR CERTIFICATION & APPROVALS



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