



## Foundation Fieldbus Cables

These Cables are meant for bi-directional communications protocol used for communications among field devices and to the control system. Installed in many process applications such as refining, petrochemicals, power generation, even in food & beverage, pharmaceuticals and nuclear applications.

<b>Voltage Grade</b>	: 300 V / 600 V
<b>Conductor</b>	: Plain/Tinned Annealed Copper (up to 120° C) Silver Plated Annealed Copper (up to 200° C) Nickel Plated Annealed Copper (up to 260° C)
<b>Range</b>	: 22 AWG / 18 AWG / 16 AWG / 14 AWG
<b>Insulation</b>	: Solid Polyethylene / XLPE / PFA for temp. > 150° C
<b>Screening</b>	: Individual and / or overall with following options - Aluminum Mylar / Copper Tape with Tinned Copper Drain Wire - Braided with Bare or Tinned or Nickel Plated or Silver Plated Copper
<b>Inner Sheath</b>	: PVC / HR PVC / FR PVC / FRLS PVC / ZHFR / LSF / FEP / PFA
<b>Armouring</b>	: Round Galvanized Steel Wire / Flat Strip / Steel Wire Braid
<b>Outer Sheath</b>	: PVC / HR PVC / FR PVC / FRLS PVC / ZHFR / LSF / FEP / PFA with Plain Orange Jacket or with strip for easy identification and Blue jacket available for Intrinsically Safe applications
<b>Standards</b>	: Cable specification Foundation Fieldbus FF-844 H1, Cable design based on EN 50288-7 / BS-5308 Part 1, IEC-60332 Electrical properties: FF-844 H1 and IEC-61158-2, Type A
<b>Our FF Cable Features</b>	: Excellent Electrical Characteristics Low Capacitance (for long runs) RoHs compliant and CE marked

## Special Application (LFH) Cables

Power, Control & Signal Cables, Limited Fire Hazard Insulation & Sheath materials with halogen free, fire retardant with low smoke generation and low toxic properties.

<b>Specification</b>	: Def Stan 61-12 (PT-18 & PT-31)
<b>Construction</b>	: Multi Core, Multi Pair, Composite Cables, Unscreened, Individually Screened & Collectively Screened
<b>Voltage Grade</b>	: 600 V
<b>Conductor</b>	: Circular electroplated & annealed tinned copper
<b>Temperature Range</b>	: - 50° C to +120° C
<b>Insulation</b>	: Special Halogen free and fire retardant with low smoke generation and low toxic properties with E-beam curing process
<b>Screening</b>	: Annealed tinned copper braid
<b>Outer Sheath</b>	: Special halogen free and fire retardant with low smoke generation and low toxic properties with E-beam curing process
<b>Application</b>	: Used in defence especially in Radar & Missile launching system for Power, Control, Lighting and Communication and Instrumentation circuits