

INSTRUMENTATION CABLES

Instrumentation Cables are designed to connect with instrument and electrical circuit system for transmission of analogue and digital signals in system. They are used for connecting instruments and electrical equipments especially in plants where process control is required, where transducer-generated signals are transmitted through panels, controllers and other devices.

Instrumentation Cables are Single or Multipair / Triple / Quad elements designed to carry signals.

Instrumentation Cables are designed to meet the highest electrical, mechanical and physical requirements which are required in today's fast growing verticals.





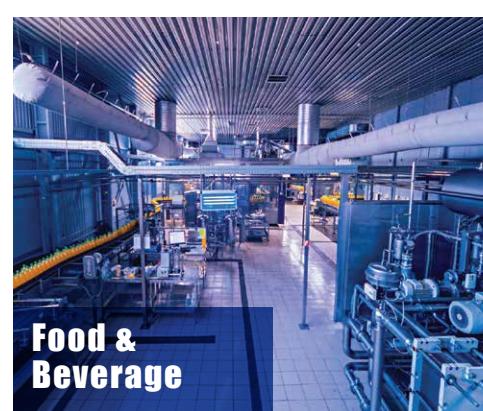
Oil & Gas (Upstream, Midstream & Downstream)



Mining Industry



Petrochemical Complex



Food & Beverage

APPLICATIONS



Manufacturing Pulp & Paper



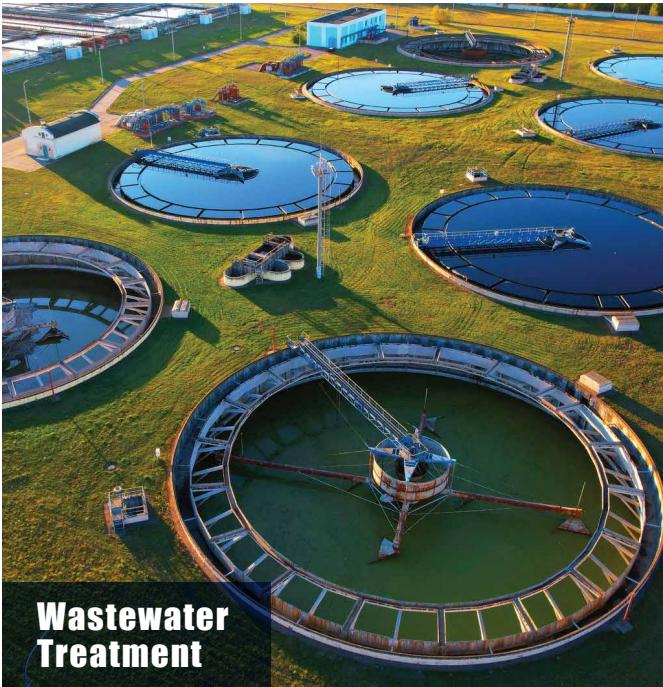
Auto Manufacturing



Wind Energy



Manufacturing Cement



Wastewater Treatment



Manufacturing Steel

RANGE / TYPE

Sizes:

0.50 - 2.50 Sq.mm, 1 Pair to 24 Pair and 1 Triad to 24 Triad
0.50 - 2.50 Sq.mm, 1 Quad

OVERALL SHIELDED
UNARMoured
CABLES

OVERALL SHIELDED
ARMoured CABLES

INDIVIDUAL &
OVERALL SHIELDED
ARMoured CABLES

INDIVIDUAL &
OVERALL SHIELDED
UNARMoured
CABLES





GENERAL CONSTRUCTION

- Stranded Bare / Tinned Copper Conductor
- XLPE / PE / PVC / FR / HR / FRLS / LSZH Insulated
- Core/ Pair/ Triad/ Quad Laid Up Together Overall Shielded or Individual + Overall Shielded With Aluminium Mylar Tape along with Annealed Tinned Copper Drain Wire
- PVC / FR / FRLS / PVC ST 2 / LS0H Inner Sheathed
- GI Steel Round Wire Armoured / Flat Strip Armoured / GI Steel Wire Braided Armoured
- PVC / FR / FRLS / PVC ST 2 / LS0H Outer Sheathed Instrumentation Cables



FEATURES / OPTIONS



Bare / Tinned
Copper Conductor



Overall Shielded /
Individual +
Overall Shielded



RoHS
Complaint



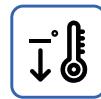
Oil
Resistant



Chemical
Resistant



Low Smoke
Emission



Operating
Temperature:
-15°C to +90°C



Fire
Resistant



Halogen-free



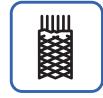
Anti Rodent /
Termite



Direct Burial



Sunlight
Resistant



Round Wire / Flat Strip
or Flexible Steel Wire
Braid Armored



Copper Tape
for Improved
EMC Screening



Resistant to
Process of
Hydrolysis



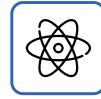
100% Shield
Coverage



Insulation Options
XLPE / PE / PVC / HR /
FR / FRLSH / PVC ST 2 /
LSOH



Water Blocked



Dynamic
Application



Hazardous
Area



Flame Retardant



Jacket Options PVC / FR / FRLS / PVC ST 2 /
LSOH Voltage 300/500



STANDARDS / COMPLIANCE

- EN 50288-7
- EN 50288-1
- EN 60228
- EN 50290-2-22/27
- EN 60332-1-2
- And as per IS 7098/ IS 1554 Part I/88

