



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

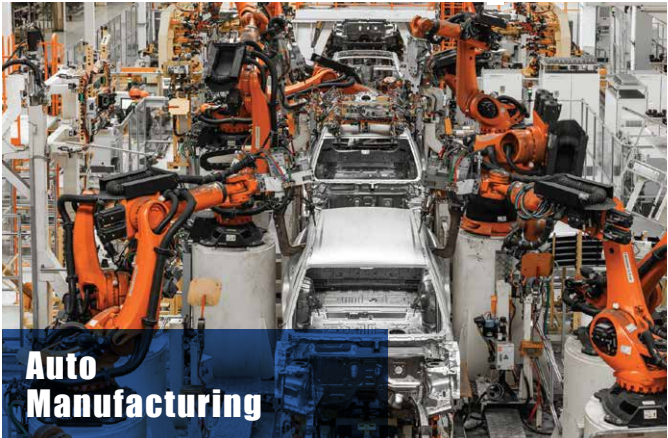


Food & Beverage

APPLICATIONS



Manufacturing Pulp & Paper



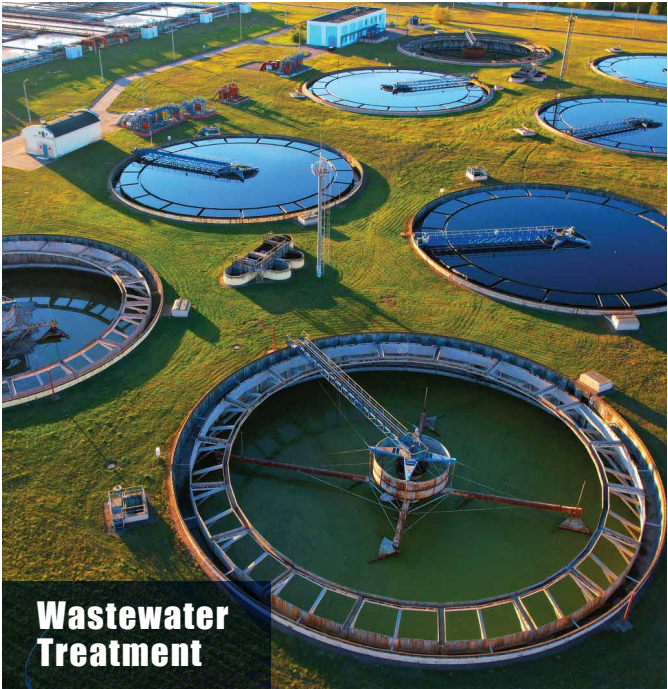
Auto Manufacturing



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 /
LS0H**



Water Blocked



**Dynamic
Application**



**Hazardous
Area**



Flame Retardant



**Jacket Options PVC / FR / FRLS / PVC ST 2 /
LS0H 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

