

INSTRUMENTATION SHIELDED CABLES

Swadeshi manufactures a wide variety of cables suitable for process instrumentation which plays a vital role in the measurement, supervision and control of the process. The introduction of microprocessor-based/computerized instrumentation has demanded stringent quality requirement along with special electrical parameter for instrumentation cables. Very low-level electrical signals pass between measuring end and display units/controllers which are situated far off. These low level signal are prone to external noise pickups and heavy silenuation during the transmission. hence the cables used for instrumentation are designed and manufactured very meticulously. Swadeshi maintains high-quality standard and follow stringent in-process quality control during the manufacturing of instrumentation cables, meeting the design parameters of the project requirement .

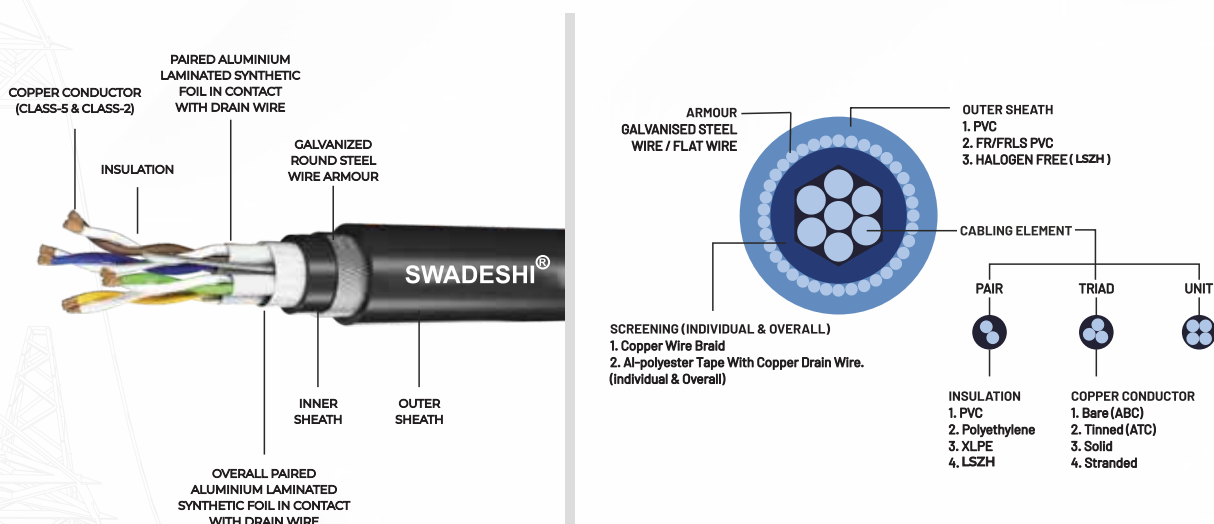
Construction -

Specification:	BS EN: 50288-7, Gen. conf. to IS: 7098 (Pt-1), IS: 1554 (Pt-1).
Conductor:	0.5Sqmm to 2.5Sqmm or higher sizes of solid/stranded/flexible tinned/bare copper conductors.
Insulation:	PVC/PE/XLPE/LSZH as per requirement
Individual / overall Screening:	Aluminium mylar tape and polyester tape with ATC drain wire.
Armouring:	Galvanised steel round wire / flat strip
Sheath:	PVC / FR PVC / FRLS PVC / LSZH
Outer sheath colour:	Black, Blue, Grey and any other customer requirement

Features:

- *Excellent Noise Reduction property
- *Great Mechanical strength flexibility.
- *Enhanced transmission performance with desired L/R ratio
- *Resistance to Electromagnetic interference

CONSTRUCTION OF INSTRUMENTATION CABLE



Type of instrumentation cables:

- * Overall screening Core Armoured cables
- * Overall screening pair Armoured cables
- * Individual and Overall screening pair Armoured cables
- * Overall screening triad Armoured cables
- * Individual and Overall screening triad Armoured cables
- * Overall screening Core Un-Armoured cables
- * Overall screening pair Un-Armoured cables
- * Individual and Overall screening pair Un-Armoured cables
- * Overall screening triad Un-Armoured cables
- * Individual and Overall screening triad Un-Armoured cables

