

تولید کننده تخصصی
کابل های ابزار دقیق



Instrumentation Cables

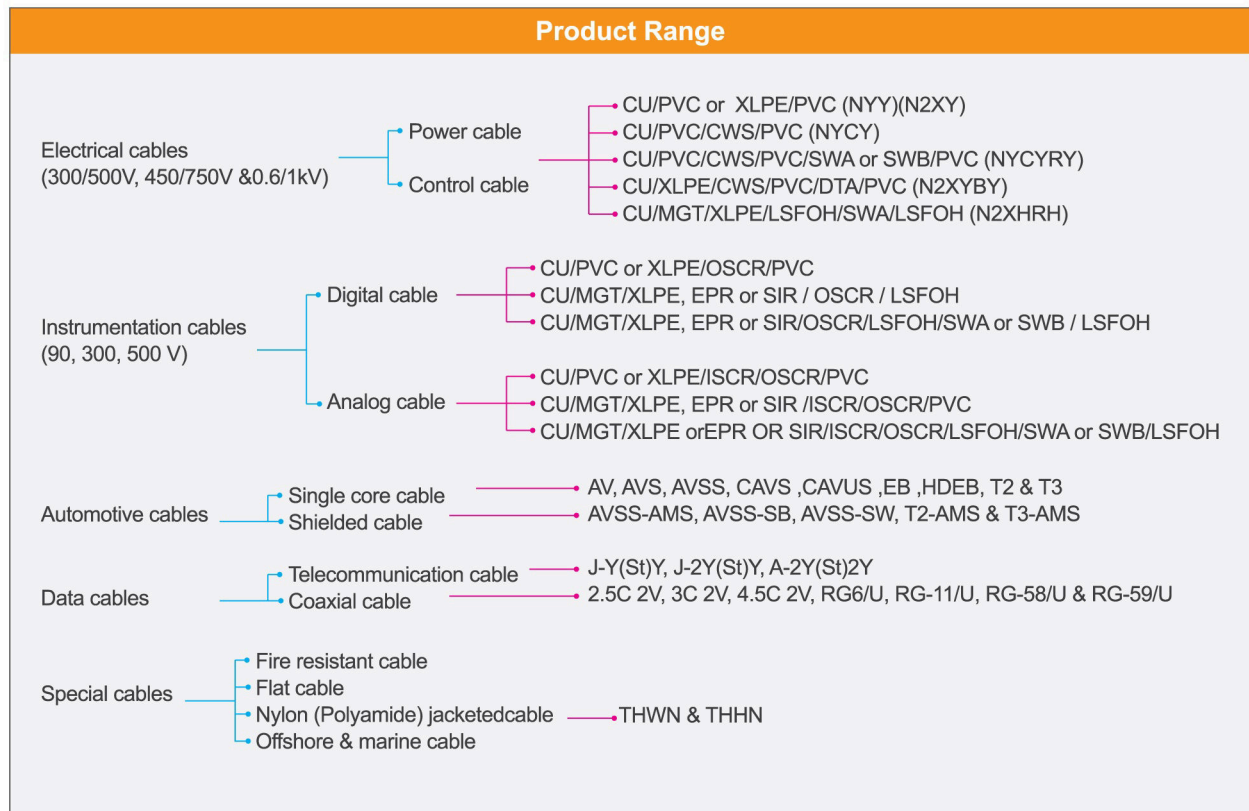
Creator of Links, Pioneer in Services

The first holder of ISO TS 16949 (with Design) certificate in wire and cable industry in IRAN



WIRE AND CABLE MANUFACTURER SINCE 1983

Zarsim's mission is survival while maintaining quality. We believe that qualitative and quantitative improvement, dynamism and proper investment in manpower and machinery are the requisites of such a mission. The 8000 square meter facility with a minimum monthly production capacity of eighty million meters of different cables, Zarsim produces various types including low voltage power cables, control cables, instrumentation cables, telecommunication cables, coaxial cables, audio cables and specialty cables. In order to meet the extended needs of customers and to introduce various choices to its production line, Zarsim has been using modern machinery. In the last ten years, Zarsim has continuously developed its operational outlook by providing employee training, modernizing its machinery and improving its core technology. Today, Zarsim is a dynamic and enterprising international corporation truly run by professional management with a modern management structure.





Instrumentation Cable main specifications and advantages



- According to BS EN 50288-7(2005)
- According to BS 5308
- High tensile strength
- Impact and crush-resistant
- Excellent elongation
- Versatile and flexible
- Corrosion-resistant
- Heat-resistant
- Sunlight resistant
- Vapor penetration resistant
- Moisture-resistant
- Hydrocarbon-resistant
- Low corrosive of combustion gases
- Flame retardant
- Fire resistant
- Low toxic and acid PVC
- Good light transmission
- High oxygen index
- -40°C to 90°C dry/wet
- High insulation resistant
- High dielectric strength
- Low dielectric loss

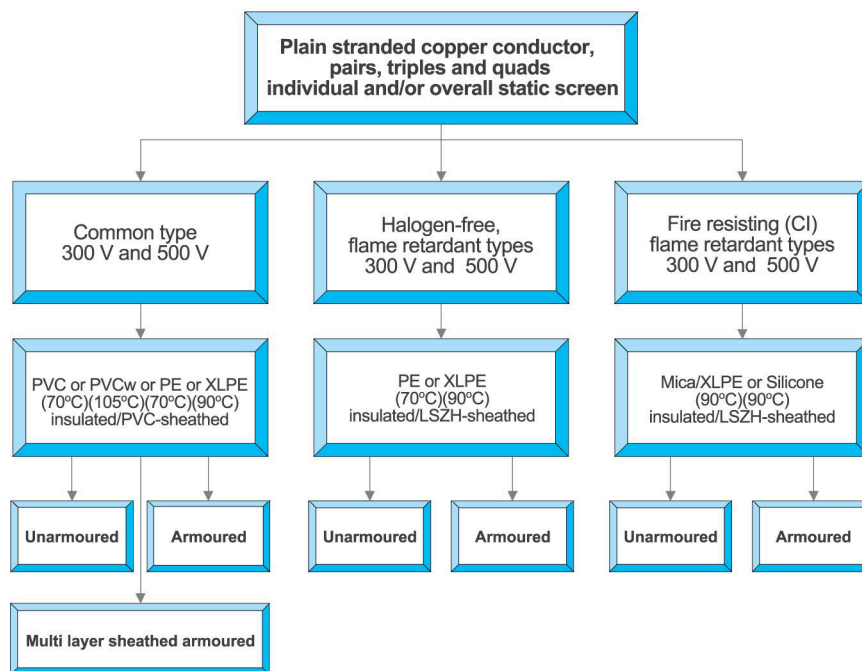


CONSTRUCTION:

- Solid/stranded/flexible plain or tinned copper conductor
- Mica Glass Tape (MGT) over conductor for fire resistant cables
- PE/PVC/XLPE/SIR/EPR insulated
- Each pair/triple laid up shielded with Mylar/drain wire/AL Mylar foil
- All pairs/triples than laid up together overall shielded with Mylar/drain wire/AL Mylar foil
- PE/PVC/ LS PVC/LSFOH extruded inner sheath
- Galvanized Steel Wire(SWA) / GL Steel Double Tape(DTA) /GL Steel wire Braid (SWB) armoured
- PE/PVC/LS PVC/LSFOH extruded outer sheath from 2 pair / triple to 30 pair / triple
- SIZES: 0.5 sq.mm to 2.5 sq.mm

Note:

Above cables can be supplied anti-termite /anti-rodent material according to customer specification



APPLICATION:

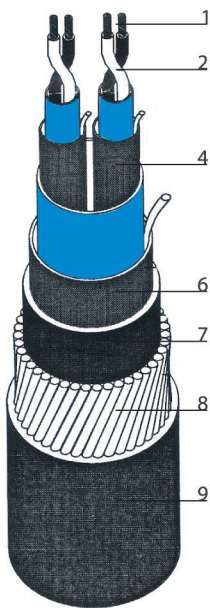
Oil and Gas industry, Petrochemical, Refinery, Marine, offshore and Onshore, Control Rooms of Industrial Plant, Railway Industry, Energy and power plants, Sugar and Paper Industry, Fire Alarm Systems, Pharmaceutical and Food Industries, Steel and Cement Factories.

Sample Specification: PVC/PVC/SWA/PVC INDIVIDUAL&OVERALL SCREENED INSTRUMENT CABLE (BS EN50288) 300/500V

DESCRIPTION

Multi-pair cables with copper conductor, PVC insulated ,individual &overall screened ,PVC bedding, Steel wire armored and PVC sheathed Voltage rated at 300/500V.

CONSTRUCTION



- 1) Conductor
Plain annealed circular stranded copper conductor, conform to BS EN60228
- 2) Insulation
PVC (Polyvinyl Chloride) pairs are identified by number printed on cores.
- 3) Pairing
Two insulated cores shall be uniformly twisted together to form a pair with maximum lay length of 100mm
- 4) Individual Screening
Each pair screened with Aluminum / Mylar tape, helically applied with the metallic side down, in electrical contact with a tinned annealed copper drain wire of 0.5mm².
- 5) Cabling
Twisted pairs are laid up together, if necessary filled with non-hygroscopic material compatible with the insulation
- 6) Overall Screening
Accumulated pairs screened with aluminum/Mylar tape, helically applied with the metallic side down, in electrical contact with a tinned annealed copper drain wire of 0.5mm².
- 7) Bedding
PVC (Polyvinyl Chloride).
- 8) Armoring
Galvanized steel round wire over the bedding.
- 9) Sheath
PVC (Polyvinyl Chloride).





زرسیم شرکت تولیدی سیم و کابل

Zarsim Co.

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