

*The applications of the wide range of TI.CA. cables are for the telecommunications, control and signal sector, for robotic, automation, special audio-video and ROV marine sector, such as industrial applications, static and dynamic use and special applications on customer's requests.*

*The TI.CA. cables are:*

*Flexible cables screened and unscreened (LiYY and LiYCY);*

*Multipair analogic and digital audio cables;*

*Combinated audio-video and sub cameras cables;*

*Broadcasting video cables;*

*Instrument audio-video cables;*

*Loud speaker cables;*

*Microphone and starquad cables;*

*110 and 120 Ohm cables;*

*AES/EBU cables;*

*Home theatre O.F. cables;*

*Hi-Fi car cables;*

*Umbilical cables for instrumentation;*

*Coaxial and triaxial cables;*

*RG cables for MIL normative and not;*

*Halogen free and high temperature cables:*

*Cables on customer's specifications.*

*All the raw materials used are certificated by the suppliers to guarantee the maximum quality in entries and also all the products TI.CA. are according to the RoHS 2002/95/CEE directive (Restriction on Hazardous Substances) about the prohibition and limitations on use the materials that contain Lead (Pb), Mercury (HG), Cadmium (Cd), Hexavalent Chromium (CrVI), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE).*

*TI.CA. will also conform to the new EU chemicals legislation R.E.A.C.H. (Registration, Evaluation and Authorisation of Chemicals) about the new standard to value and register the new chemicals as such as the existing substances.*

*The copper used for cable production is directly drawing in our factories to reduce the wire size to the right request of customers as well as the stranding wires process is directly performed in our own factories.*

*The conductor's insulation and the final jackets are made by automatic extrusion lines and during the process the most modern technologies and machinery check the electrical strength, the diameter by laser rays, the wall thickness and the eccentricity*

*In the twisting lines the different machines are planned for assembling from 2 up to 56 conductors of various types and diameters.*

*In the manufacturing lines to make the braid and spiral shields TI.CA. can produce many different kinds of shield: with copper wires of various diameter, with coloured aluminium tape, non-woven tape, Kevlar and polypropylene of different colours.*

*The modern technologies and the other auxiliary machineries on the processing lines are planned in order to achieve the final cable according to the Customers' request.*

*The quality control system are made by TI.CA. in the own test laboratory: on the raw materials, during the production process and on the final product.*

*The electrical and mechanical tests are made according to technical standards, to customers' requests and to TI.CA.'s data sheets and are constantly carried out on the daily production. The final tests, besides, when required, can be made in the laboratory in co-operation with the customers.*

*The laboratory equipment is regularly checked and calibrated by primary approved and certified samples from the main domestic trustworthy centers (SIT).*

*The TI.CA. technical tests generally include:*

*ageing in climate cold and hot rooms;*

*tension;*

*fire resistance;*

*insulation resistance;*

*electrical resistance of the conductor (Ohm/Km);*

*flame resistance;*

*dielectric strength;*

*resistance to break-down;*

*impedance;*

*capacitance;*

*inductance;*

*attenuation;*

*resistance tests inside a chain cable holder;*

*any further special tests according to customer's request.*

*TI.CA. has as its aim the constant attention in the quality of products and their technological improvement, the creativity, the innovation, the efficiency, the planning, the control, the technical know-how.*

*The flexibility of the company can satisfied the different customers' requests, the personal packing and printing on cables,, the possibility to produce little quantity such as the organisation of transport.*

*The technical staff guaranties the support to every single customer's request, with also data sheets and manufacture's declarations of conformity.*