

A series of overlapping, wavy red lines that create a sense of motion and depth, flowing from the left side of the frame towards the right. The lines are thin and closely spaced, forming a mesh-like pattern that changes as it moves.

TecniKabel

SPECIAL ELECTRICAL CABLES

Since 1978 experience and knowledge about special cables

HEADQUARTERS IN TURIN



A GLOBAL COMPANY WITH ROOTS IN ITALY

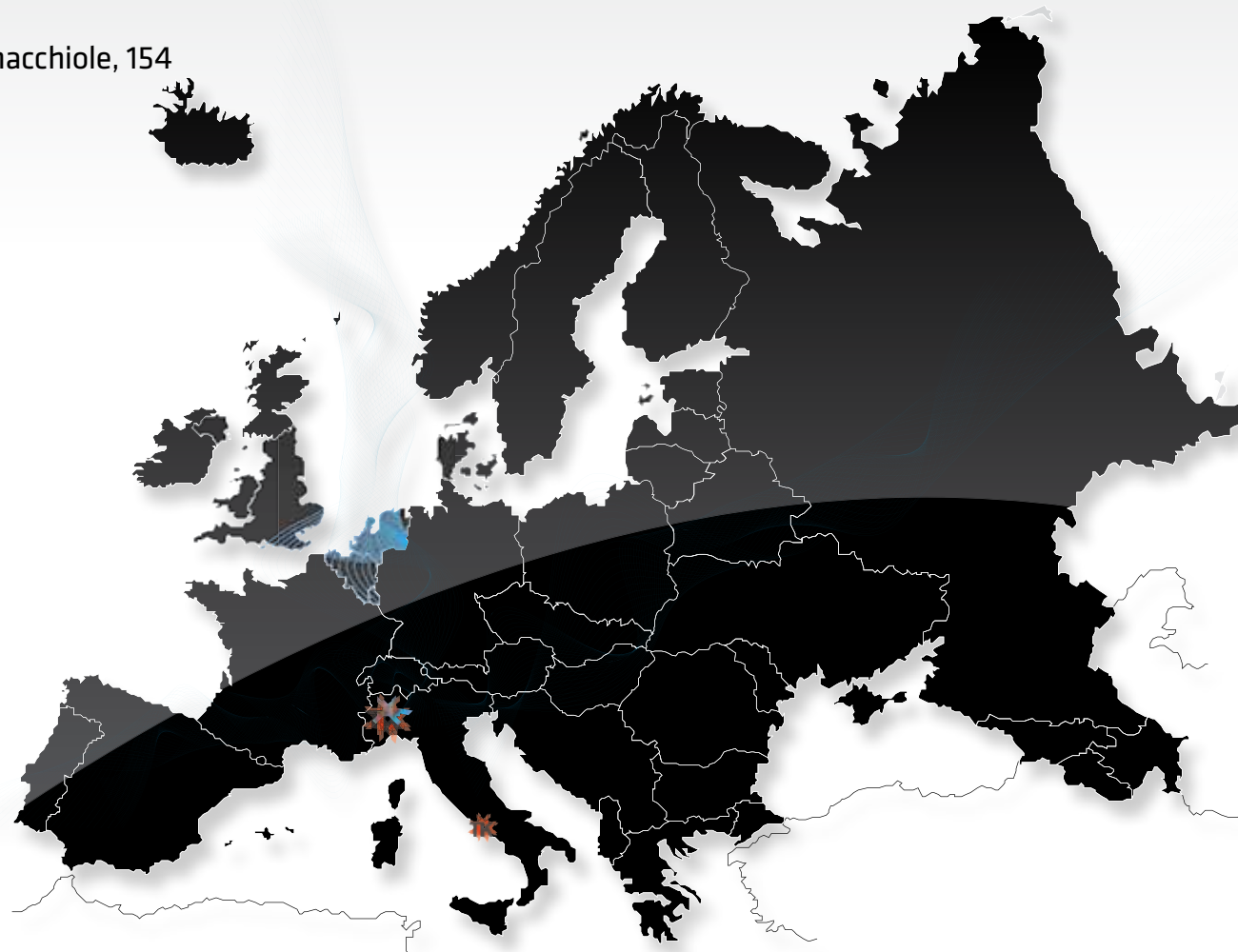
Headquarters:

Tecnikabel S.p.A.
Via Brandizzo, 243
10088 Volpiano (To)

HTC S.r.l.
Via Osella, 7
10040 Leini (To)

Branch Office TecniKabel:

Tecnikabel S.p.A.
Via Casali delle Cornacchiole, 154
00178 Roma



MILESTONES

FIRST BUILDING



SECOND FACTORY



ENLARGMENT SECOND FACTORY



NOWADAYS
PLANT



Production 16.800 mq
Laboratories and offices 3.000 mq
New investments 1,5 Milion €

THE TECNİKABEL GROUP

1978

*Telecom and data cables
10 employees*

2012

*12 Product lines
120 employees*



AUTOMATION



OIL / GAS



AUDIOVIDEO



SUBMARINE



SUN



HYBRID



RAILWAYS



TELECOMMUNICATION



HEALTHCARE



NAVAL

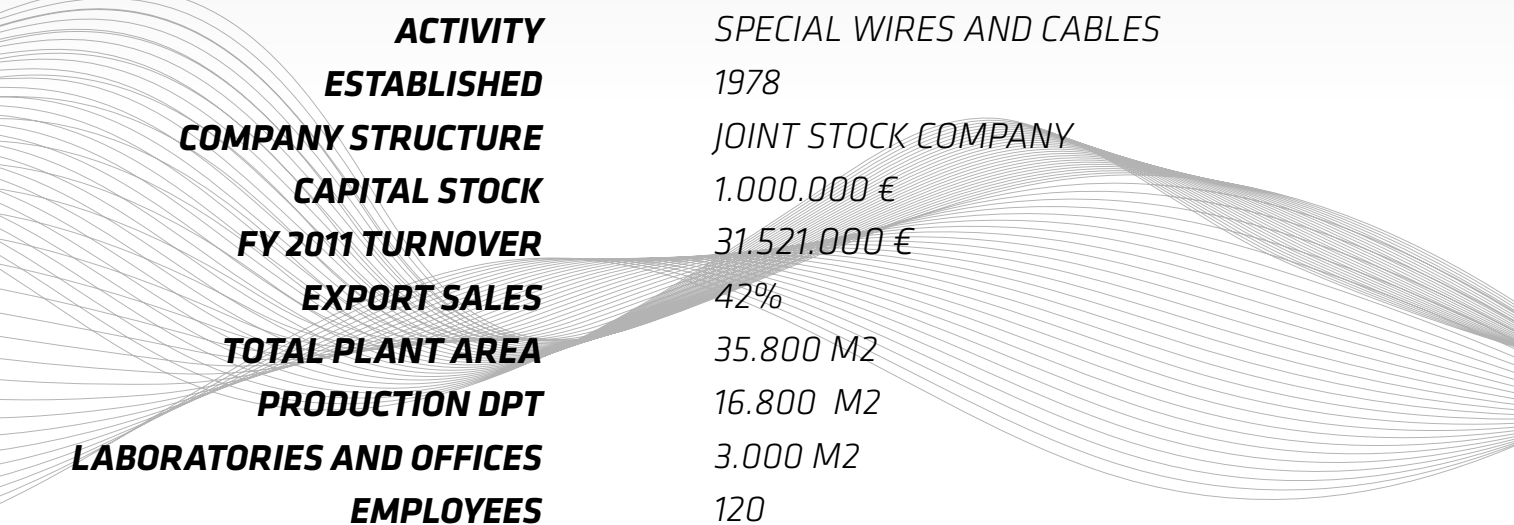


DEFENSE



OPTICAL

OUR COMPANY OVERVIEW



ACTIVITY	<i>SPECIAL WIRES AND CABLES</i>
ESTABLISHED	1978
COMPANY STRUCTURE	<i>JOINT STOCK COMPANY</i>
CAPITAL STOCK	1.000.000 €
FY 2011 TURNOVER	31.521.000 €
EXPORT SALES	42%
TOTAL PLANT AREA	35.800 M2
PRODUCTION DPT	16.800 M2
LABORATORIES AND OFFICES	3.000 M2
EMPLOYEES	120
QUALITY SYSTEM CERTIFICATION	<i>ISO 9001 since 1994 - IRIS since 2009 - IRIS Rev. 2</i>

WE ARE PROUD OF OUR R&D AND LABS

HARDWARE FOR
TESTING UP TO 64 CHANNELS
TRANSMISSION PARAMETERS



TGA SPECTRUM ANALYSIS FOR
RAW MATERIALS



OVENS TO SIMULATE CABLES
AGING PROCESS



WE ARE PROUD OF OUR INTENSIVE DYNAMIC TESTING

DYNAMIC TESTS ON CHAIN
TRACKS UP TO 17 METERS



TORSION TESTS $\pm 360^\circ$ WITH
ADJUSTABLE ACCELERATION RATE



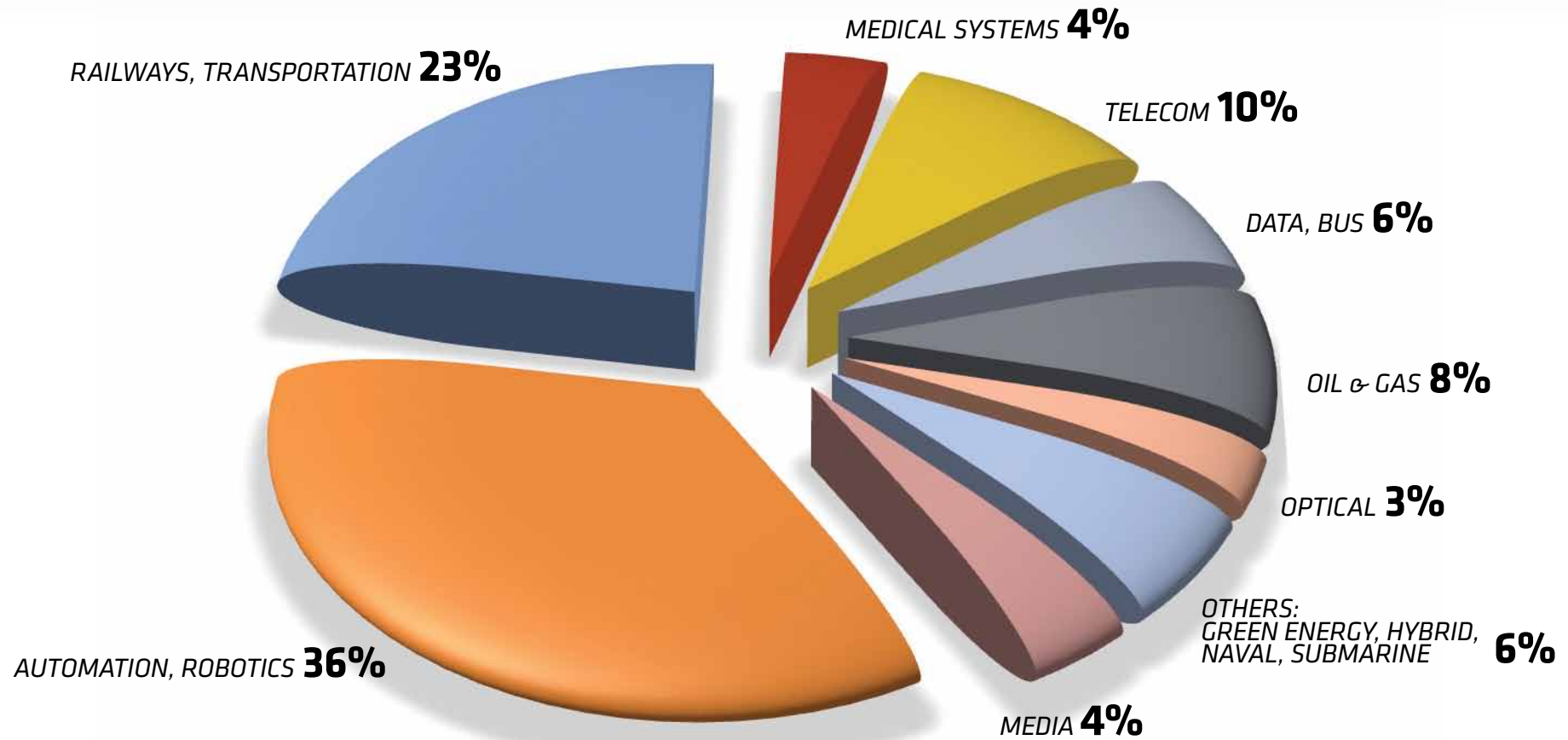
ROBOTIC SIMULATOR FOR
TESTING TORSION AND FLEXIBILITY
OF CABLES



**EVERY SINGLE DAY WE PERFORM ELECTRICAL, CHEMICAL
AND PHYSICAL TESTS ON OUR CABLES**

SUPPLYING ALL THE HIGH-TECH INDUSTRIAL SECTORS

MARKET SEGMENTS TECNIKABEL FY 2011



WIDE RANGE OF CABLES FOR STATIC AND DYNAMIC APPLICATIONS

TKF100

Single and multicore cables with PVC jacket, according to UL and CSA rules, recommended for static installation.

TKF200 - TKFF200 - TKFF300

Single and multicore cables for dynamic applications, available in PVC or PUR jacket, designed for leading brands of encoders, servo, data and control, field bus.

TKFF600

Special cable for high performances in acceleration, travel speed, bending radius, torsion.

Suitable for heavy duty application in robotics and industrial machineries.

TRAY CABLE

Single and multicore cables complying with UL LISTED norms to fulfill US and Canadian requirements.



TKFF300
servo cable for chain track application
DESINA RAL2003
FFE[4G2,5+(2x1,5)SN/ST/N]ST/Pur



TKFF300
for chain track application
DESINA RAL4001
Profibus DP (2x0,64)SN/STPur





RAILWAYS

WIDE RANGE OF CABLES FOR TRANSPORTATION MEDIUM, STANDARD AND MINIATURIZED WALL

ROLLING STOCK

EN50264 2-1 und EN50264 2-2 normal wall

EN50264 3-1 und EN50264 3-2 reduced wall

EN50306-2 e EN50306 – 4 thin wall

Data transmission cables MVB ,WTB,RS485, Canbus, Coax

Ethernet 100 Ohm cat. 5 e, cat. 7

Videosurveillance VGA

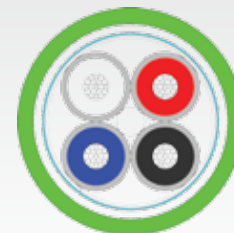
Cables compliant with UNI CEI 11170 and DIN5510, NFPA 130, CEN-TS 45545-2

SIGNALLING

Cables for infrastructure, stations and information systes; safety, power and automatic blocking systems, lightning and media devices on board Droppers for overhead contact systems.

Optical cables with dielectric armour.

MVB 120 Ohm
FE(4x0,50)SN/ST/M
complying to EN regulations



Signal cable
IS409/C 16x1 mm²



IRIS 
Certification





OIL / GAS

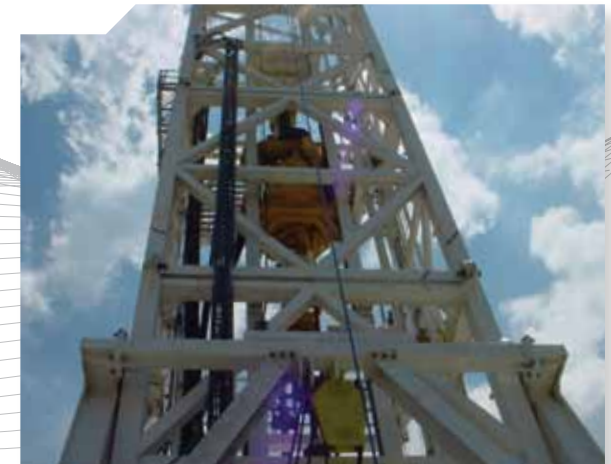
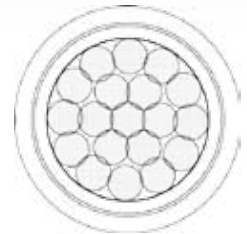
UL AND CSA CABLES FOR OIL AND GAS INDUSTRIES

OIL & GAS IN-SHORE DRILLING

*16 mm² high flexible construction
for dynamic use*



*400 mm² UL 800 MCM oil hydrocarbon
flame resistant for drilling towers*



WIDE RANGE OF CABLES FOR TELECOMMUNICATION

MOBILE AND FIXED PHONE LINES

UMTS AND TETRA NETWORKS

RF ANTENNAS

TELEPHONE EXCHANGES

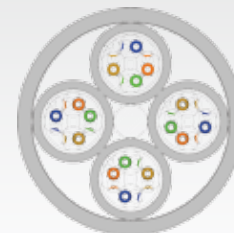
GSM NETWORK

TELEPHONE SWITCHBOARD

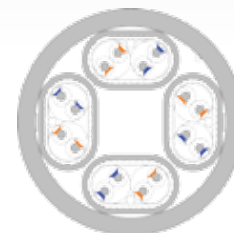
RADIO LINK INSTALLATIONS

POWER CABLES

TE3 4x(4x2x0,4 HH2M)/M 16
120 Ohm



TE3 [4x(2x2x0,4)HH2/M]/M
120 Ohm





AUDIOVIDEO

WIDE RANGE OF CABLES FOR MEDIA APPLICATIONS

COAX, TRIAX CAMERA CABLES

ANALOG AUDIO MULTICORE/MULTIPAIR CABLES

SIGNAL AND CONTROL CABLES FOR MIXING DECK

RADIO LINK INSTALLATIONS

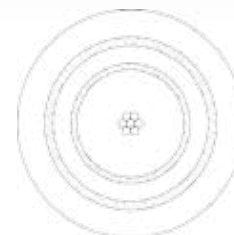
POWER CABLES

AUDIO- HI FI

AES/EBU audio (OFC)
32x2x0,22mm² (AWG24/29) 120 Ohm



TRIAx CAMERA CABLE
75 Ohm LSZH



HEALTHCARE

WIDE RANGE OF CABLES FOR HEALTHCARE AND MEDICAL SYSTEMS

C_{UL} US **POWER AND CONTROL CABLES (PUR, PVC, PE, POLYOLEPHINE, POLYESTER EXECUTION)**

MULTICORE CABLES FOR MEDICAL EQUIPMENTS:
Mammography - X ray machineries - Tomography - Miniaturized devices

HYBRID CABLES FOR DIAGNOSTIC

COAXIAL

CUSTOMIZED CABLE FOR SPECIAL PURPOSES

$FR[2xCat.6+(3G1)R+(2x0,50)ccST/R+1G6]Pur$



$FR [(Triax75\Omega+(3xAWG18)R+AWG11+(6xAWG28)ST/R)]R$





SUBMARINE

WIDE RANGE OF CABLES FOR MARINE, UNDERWATER AND OCEANOGRAPHIC SYSTEMS AVAILABLE WITH:

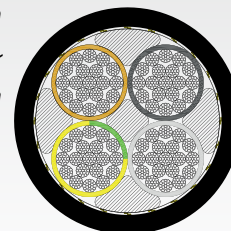
COPPER CONDUCTORS
FIBER OPTIC
HYBRID SOLUTIONS (COPPER + FIBER OPTIC)
ARMOURED OR REINFORCED WITH ARAMIDIC BRAID

MORE THAN 300 THERMOPLASTIC MATERIAL FOR THE RIGHT CHOICE OF INSULATION AND SHEATH

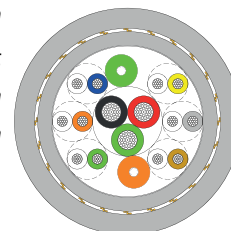
TYPICAL APPLICATIONS:

Remote Operated Vehicles ROV and Tether
Autonomous Underwater Vehicles – AUV
Seismic and underwater exploration
Mine hunting and countermeasures
Submersibles audio video systems
Sonar or hydroacoustic systems
Safety and naval traffic control
Sensors and transmitters

FE (4X50 mm²)TPUR
Power cable with braid armour for oceanographic research



FFE[(3x0,75)N+6x2xAWG24+2xFO]PUR
Hybrid cable Copper/Fiber optic conductors with double jacket for data transmission in underwater seismic exploration



WIDE RANGE OF CABLES FOR NAVAL

TKSEA01

Power supply for devices onboard on ship's decks and all internal area

TKSEA02

Power supply for devices onboard on ship's decks, safety, internal and external areas whereas cables must be fire-resistant

TKSEA03

Instrumentation and control with protection from external noise on all ship's decks and internal areas

TKSEA04

Instrumentation and control with protection from external noise on all ship's decks and internal areas whereas cables must be fire-resistant

TKSEA05

Instrumentation, telecommunication and control



*TKSEA04 IFRSO 150-250V
Instrumentation Fire Resistant Shield Overall*



*TKSEA05 TI 60-250V
Telecommunication and Instrumentation*



Approval
N° 2007CS015060





TECHNOLOGY ENVIROMENT FRIENDLY IS A FOCUS FOR TECNİKABEL

TKSUN line studied for photovoltaic are the best choice and guarantee:

High level safety

Extend technical life (over 25 years)

Tecnikabel total quality

TKWIND cables for a complete installation of windcraft towers:

Energy

Servo and power

Encoder and control systems



TKSUN-HQF
in high modulus halogen freetechnopolymer UV and microbic
aggression resistant



TK WIND FFE(5G1)ST
power cable for windmill tower UV and oil resistant





DEFENSE

AEROSPACE, DEFENSE AND MILITARY APPLICATIONS

FEP[®], ETFE, PVC, ETFE/PUR, EVA

Cross linked for insulation and outer jacket

All cables built according to MIL recommendations

Radio and telecommunication field cables

Hybrid cable for radar warning systems

Signal cables for aiming and guidance Systems

*FFR (5x10 mm²)T/PUR /T/PUR
Power cable for missile launch system*



*FLAT [2x(50 mm²) T]PUR
Cable for fighter airplanes battery recharge*





HYBRID

YEARS OF EXPERIENCE IN DESIGNING AND BUILDING HIGH TECH CABLES
MAKES TECHIKABEL THE IDEAL PARTNER FOR:

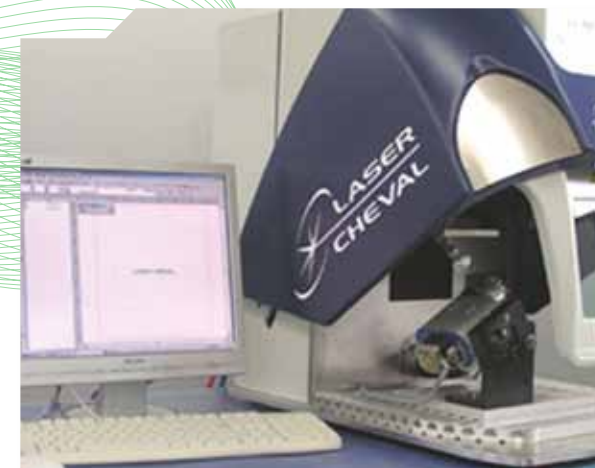
CUSTOM MADE CABLES FOR GEO SEISMIC RESEARCH

for oil and gas industry

CABLES ON DEMAND

from specific requirements of our customer in tight cooperation since the first
concept

*FFE[2x(4x1,5)R+3x(4x2x0,14)ccST/R+3x(3x2x0,14)ccST/R
+RG174+2x0,25+Tube]ST/R-Pu*
Laser marking machines fiber and copper composite cable



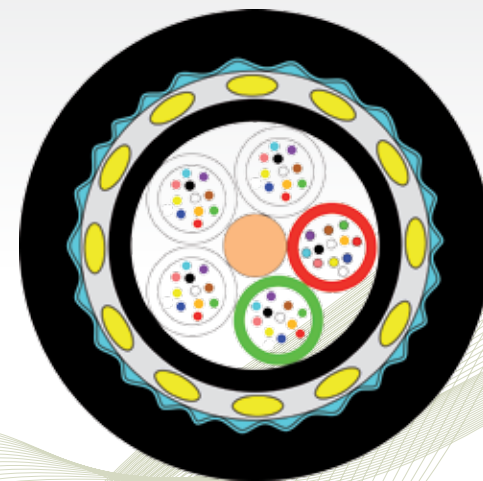


OPTICAL

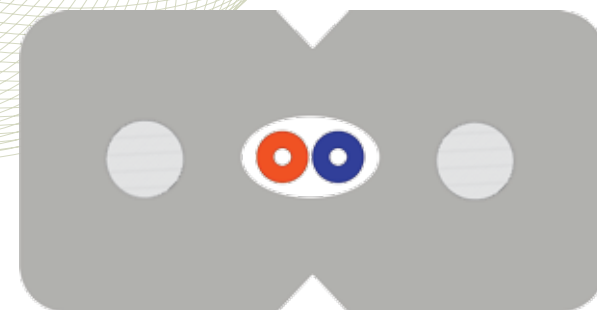
STARTING FROM SEPTEMBER 2010 A NEW PRODUCTION DEPARTMENT:
FIBER OPTICAL CABLES: **LOOSE, TIGHT**

APPLICATIONS:

***Railways
Metro
Highways
Telecom
Long distance networks
Gas pipeline
indoor and outdoor building industry***



Loose fiber optic with metal armour



Fiber optic cable FTTH for building (fiber to the home)

HIGH QUALITY AND CERTIFICATION FROM LEADING ORGANIZATIONS WORLD WIDE



INTERNATIONAL EVENTS

EXPOFERROVIARIA 2010

European fair railways technology
Turin, Italy



INNOTRANS 2010

World fair transportation technology
Berlin, Deutschland



SPS/IPC/DRIVES 2011

World fair electric automation
Nürnberg, Deutschland



NEXT EVENTS

OCEANOLOGY 2012

Global Ocean Forum
London - U.K.
13-15 March 2012



EXPOFERROVIARIA 2012

European fair railways technology
Turin, Italy
27-29 March 2012



SPS/IPC/DRIVES ITALIA 2012

World fair electric automation
Parma - Italy
22-24 May 2012



RAIL + METRO CHINA 2012

China International Rail & Metro Exhibition
5/30/2012 - 6/1/2012
Shanghai New International Expo Centre
(SNIEC), Shanghai, China



INNOTRANS 2012

World fair transportation technology
Berlin, Deutschland
18-21 September 2012



SPS/IPC/DRIVES 2012

World fair electric automation
Nürnberg, Deutschland
26-29 November 2012



THE GROUP



TecniKabel

SPECIAL ELECTRICAL CABLES



HTC



TecniKabel
SPECIAL ELECTRICAL CABLES



THE COMPANY

IN THE HARNESS BUSINESS THE EXPERIENCE AND THE PROFESSIONAL SKILL OF THE HUMAN RESOURCES ARE ESSENTIAL FOR THE SUCCESS. HTC THROUGHOUT THE YEARS HAS CONSTANTLY INVESTED IN THE PERSONNEL IMPROVEMENT WIDENING THE BUSINESS RANGE IN VARIOUS INDUSTRIAL SECTORS: FROM ROBOTICS TO ELECTRICAL SYSTEMS, INDUSTRIAL AUTOMATION, C-TRACK APPLICATION.

ACTIVITY	<i>HARNESSES AND ELECTRICAL SYSTEMS</i>
ESTABLISHED	<i>1984</i>
COMPANY STRUCTURE	<i>LIMITED LIABILITY COMPANY</i>
CAPITAL STOCK	<i>100.000 €</i>
FY 2011 TURNOVER	<i>15.500.000 €</i>
EXPORT SALES QUOTA	<i>15%</i>
TOTAL PLANT AREA	<i>8.000 mq</i>
PRODUCTION DPT	<i>3.000 mq</i>
LABORATORIES AND OFFICES	<i>500 mq</i>
EMPLOYEES	<i>73</i>
SYSTEM CERTIFICATION	<i>ISO 9000 since 2008 - IRIS Rev. 2 since 2011</i>





DESIGN, PRODUCTION, DYNAMIC and ELECTRIC TESTS FOR

HARNESSES IN WIDE RANGE OF INDUSTRIAL APPLICATIONS
ELECTRICAL CABINETS
C-TRACK CABLE SYSTEMS

ELECTRICAL CABINETS



ROBOTICS



HEALTHCARE



AUTOMATION



RAILWAYS



www.htcsrl.com

THE INTERACTION WITH OUR CUSTOMERS

PRE-SALE ANALYSIS



*HARNESSES AND
ELECTRICAL CABINETS*



CUSTOMER

*ELECTRICAL AND
MECHANICAL TESTS*



SPECIAL CABLES



CUSTOMER



CUSTOMER



RHEINMETALL **Rockwell Automation**

Schlumberger SIEMENS



THALES



TecniKabel

SPECIAL ELECTRICAL CABLES

ADDRESS *Via Brandizzo, 243*
10088 - Volpiano (To) - Italy
TELEPHONE *+39.011.9951997*
FAX *+39.011.9953062*

COMMERCIAL OFFICE *Via Casali delle Cornacchiole, 154*
00178 - Roma - Italy
TELEPHONE *+39.06.50992552*
FAX *+39.06.50514022*

www.tecnikabel.it