



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.r.l.
Via Brandizzo, 243
10088 Volpiano (To)

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

Branch Office TecniKabel:

Tecnikabel S.r.l.
Via Casali delle Cornacchiole, 154
00178 Roma



MILESTONES

FIRST FACTORY (1978-1980)



FIRST APPROVALS UL CSA (1980-1985)



CERTIFICATION ISO 9001 (1985-1999)



SINCE 2000
35.000 mq



Production 16.000 mq
Laboratories and offices 3.000 mq
New investments 1,5 Milion €

THE TECNİKABEL GROUP

1978

Telecom and data cables
10 employees

2010

11 Product lines
100 employees

NAVAL
TecniKabel

HEALTHCARE
TecniKabel

AUTOMATION
TecniKabel

OIL & GAS
TecniKabel

TELECOMMUNICATION
TecniKabel

DEFENSE
TecniKabel

RAILWAYS
TecniKabel

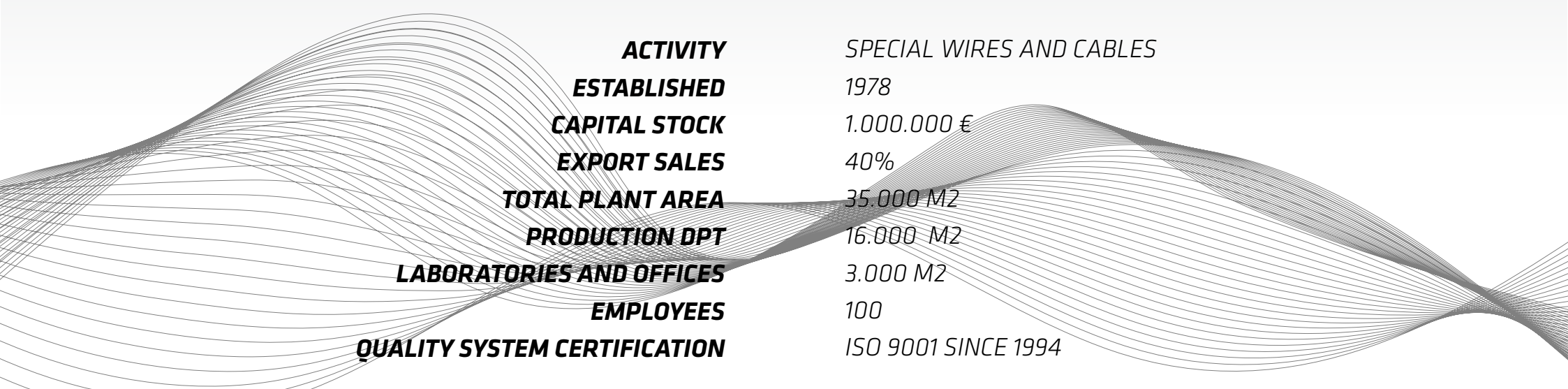
AUDIO-VIDEO
TecniKabel

SUN
TecniKabel

OPTICAL
TecniKabel

HYBRID
TecniKabel

OUR COMPANY OVERVIEW



ACTIVITY	<i>SPECIAL WIRES AND CABLES</i>
ESTABLISHED	1978
CAPITAL STOCK	1.000.000 €
EXPORT SALES	40%
TOTAL PLANT AREA	35.000 M ²
PRODUCTION DPT	16.000 M ²
LABORATORIES AND OFFICES	3.000 M ²
EMPLOYEES	100
QUALITY SYSTEM CERTIFICATION	ISO 9001 SINCE 1994

WE ARE PROUD OF OUR R&D AND LABS

TGA SPECTRUM ANALYSIS FOR
RAW MATERIALS



HARDWARE FOR
TESTING UP TO 64 CHANNELS
TRANSMISSION PARAMETERS



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

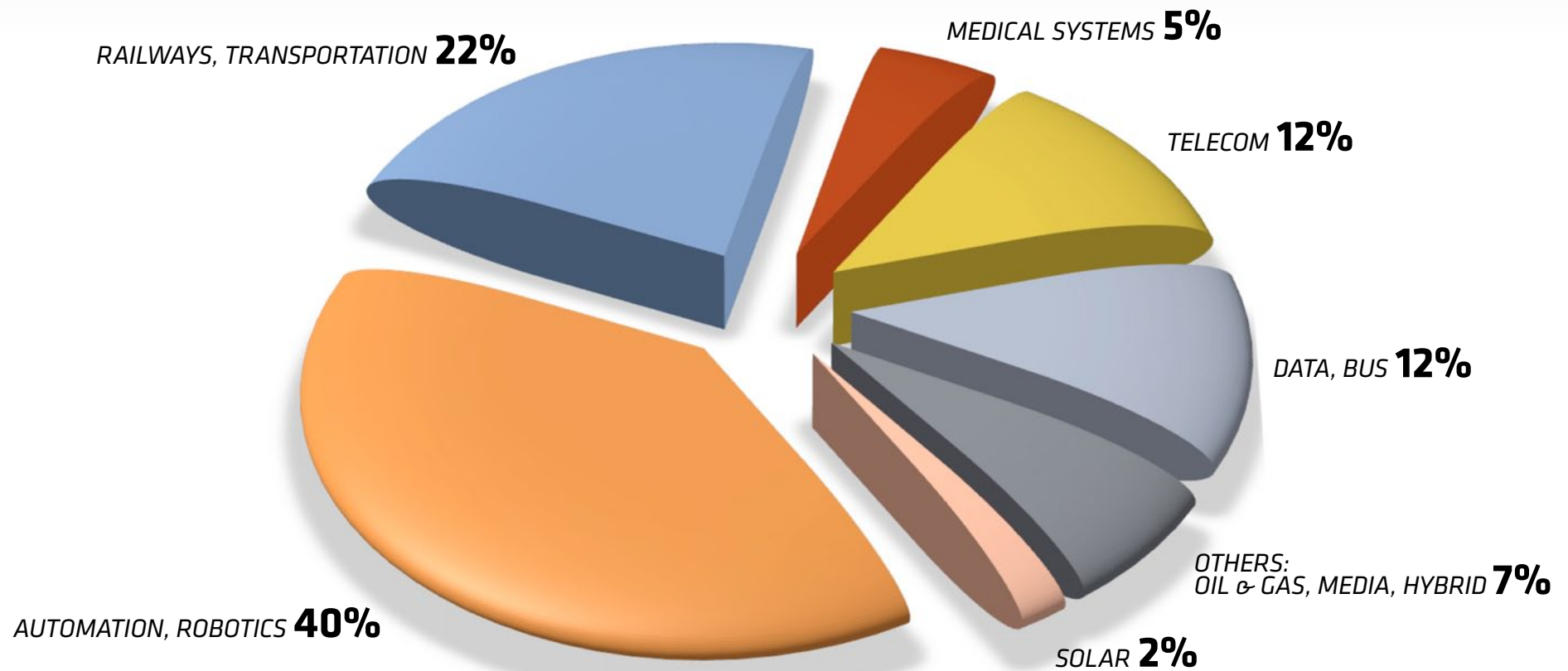


ROBOTIC SIMULATOR FOR
TESTING TORSION AND FLEXIBILITY
OF CABLES



SUPPLYING ALL THE HIGH-TECH INDUSTRIAL SECTORS

MARKET SEGMENTS TECNIKABEL FY 2010



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

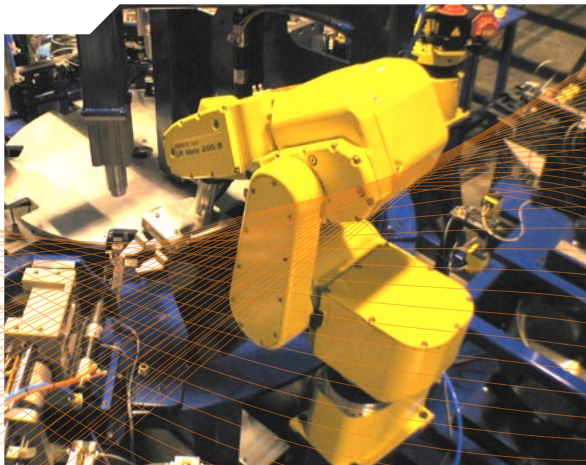
Single and multicore cables for dynamic applications, available in PVC or PUR jacket, designed for leading brands of encoders, servo, data and control, field bus.

TKFF600

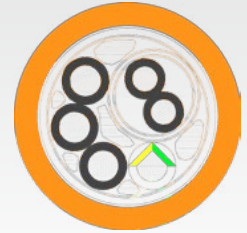
Special cable for high performances in acceleration, travel speed, bending radius, torsion.
Suitable for heavy duty application in robotics and industrial machineries.

TRAY CABLE

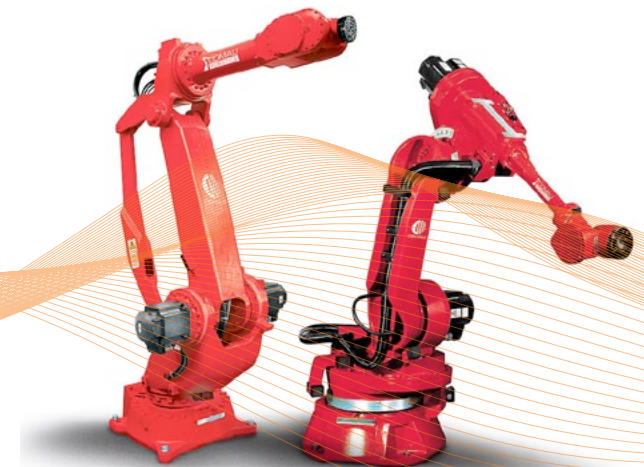
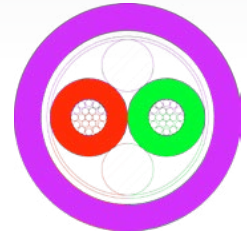
Single and multicore cables complying with UL LISTED norms to fulfill US and Canadian requirements.



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



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

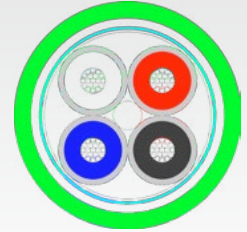
ROLLING STOCK

EN50264 3-1 & EN50264 3-2 medium wall thickness
EN50264 2-1 & EN50264 2-2 standard wall thickness
EN50306 - 2 & EN50306 - 4 thin wall thickness
EN50200 Fire resistant cables
Data transmission cables type MVB, WTB, RS485, CanBus
Ethernet cable 100 Ohm cat. 5e and cat.7
VGA Videosurveillance cable

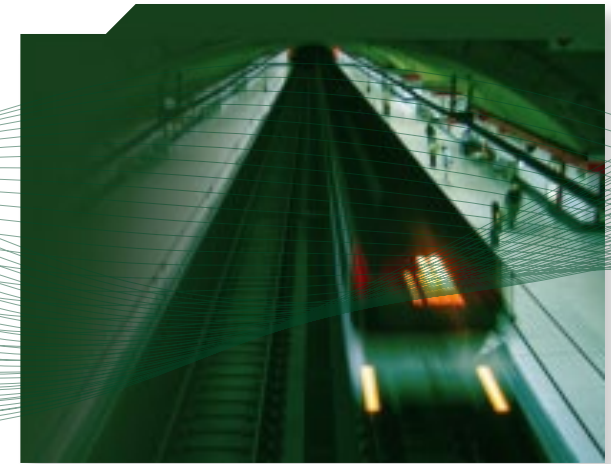
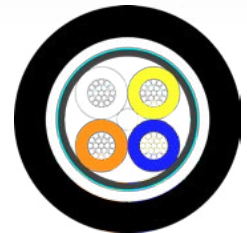
SIGNALLING

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

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



Ethernet 100 Ohm
(2x2xAWG22)SN/STM
complying to EN regulations



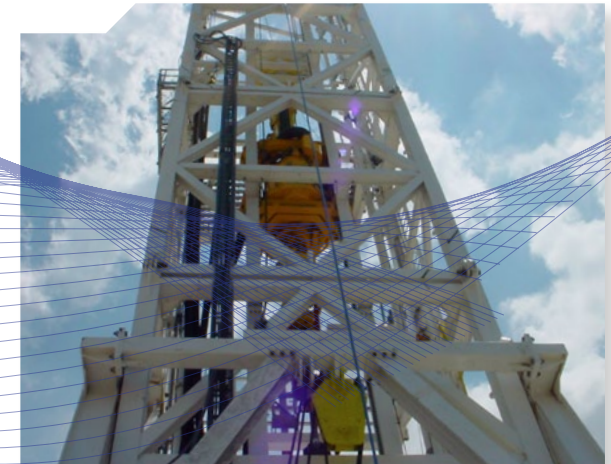
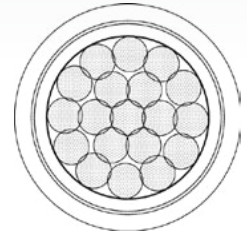
UL AND CSA CABLES FOR OIL AND GAS INDUSTRIES

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

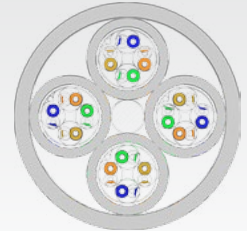
GSM NETWORK

TELEPHONE SWITCHBOARD

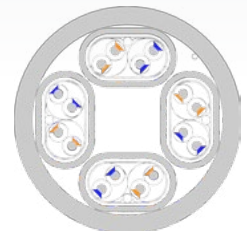
RADIO LINK INSTALLATIONS

POWER CABLES

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



TE3 [4x(2x2x0,4)HH2M]/M
120 Ohm



WIDE RANGE OF CABLES FOR MEDIA APPLICATIONS

COAX, TRIAX CAMERA CABLES

ANALOG AUDIO MULTICORE/MULTIPAIR CABLES

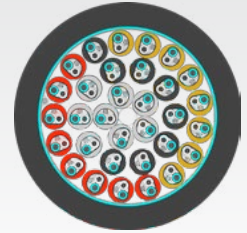
SIGNAL AND CONTROL CABLES FOR MIXING DECK

RADIO LINK INSTALLATIONS

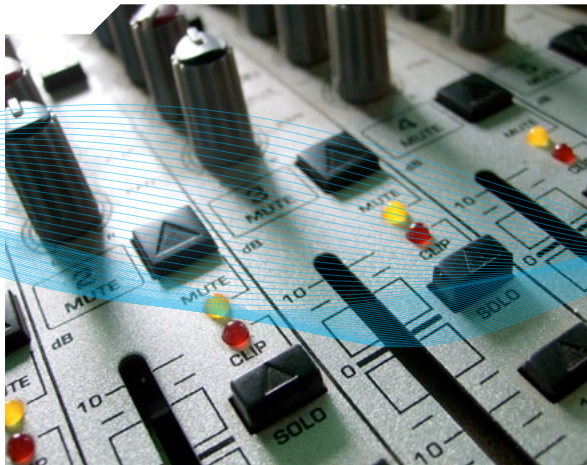
POWER CABLES

AUDIO- HI FI

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



TRIAx CAMERA CABLE
75 Ohm LSZH



HEALTHCARE

TecniKabel

WIDE RANGE OF CABLES FOR HEALTHCARE AND MEDICAL SYSTEMS

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

UL[®] US **POWER AND CONTROL CABLES (PUR, PVC, PE, POLYOLEPHINE, POLYESTHER EXECUTION)**

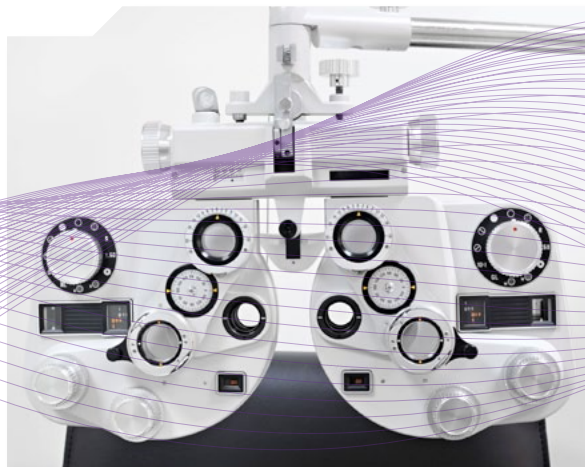
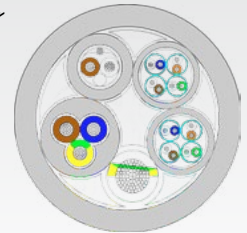
**MULTICORE CABLES FOR MEDICAL EQUIPMENTS:
Mammography - X ray machineries - Tomography -
Miniaturized devices**

HYBRID CABLES FOR DIAGNOSTIC

COAXIAL

CUSTOMIZED CABLE FOR SPECIAL PURPOSES

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



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



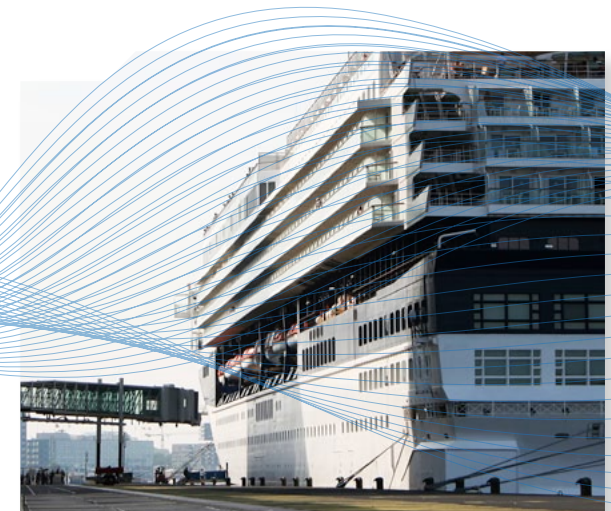
*TKSEA04 IFRSO 150-250V
 Instrumentation Fire Resistant Shield Overall*



*TKSEA05 TI 60-250V
 Telecommunication and Instrumentation*



Approval
 N° 2007CS015060



TECHNOLOGY ENVIROMENT FRIENDLY IS A FOCUS FOR TECNIKABEL

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*



AEROSPACE, DEFENSE AND MILITARY APPLICATIONS

FEP[®], ETFE, PVC, ETFE/PUR, EVA
Cross linked for insulation and outer jacket

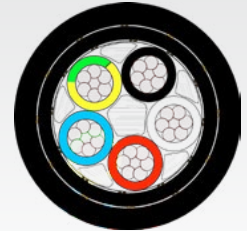
All cables built according to MIL recommendations

Radio and telecommunication field cables

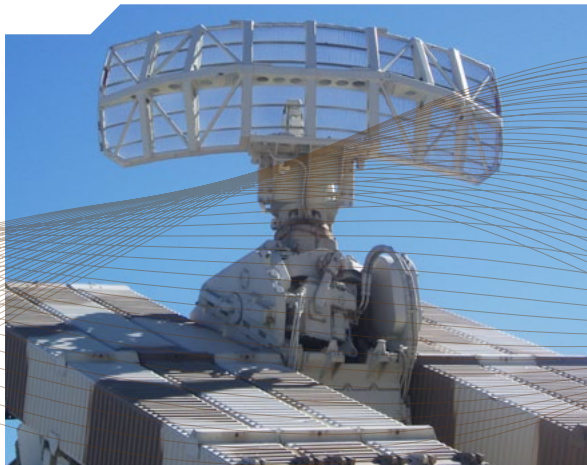
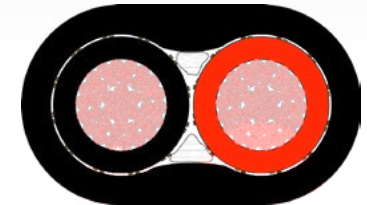
Hybrid cable for radar warning systems

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

TecniKabel

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

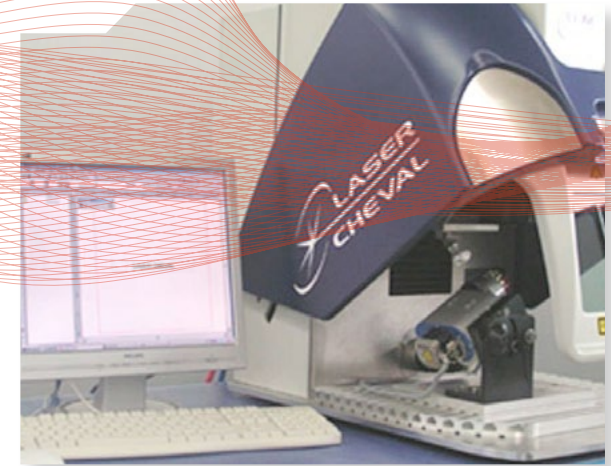
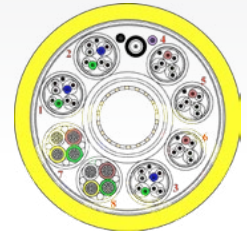
CUSTOM MADE CABLES FOR GEO SEISMIC RESEARCH

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



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*



TECNIKABEL EVOLUTION:
New Optical production area



HIGH QUALITY AND CERTIFICATION FROM LEADING ORGANIZATIONS WORLD WIDE



NEXT EVENTS

EXPOFERROVIARIA 2010

European fair railways technology
Turin, Italy
8-10 / 06 / 2010



INNOTRANS 2010

World fair transportation technology
Berlin, Deutschland
21-24 / 09 / 2010



SPS/IPC/DRIVES 2010

World fair electric automation
Nürnberg, Deutschland
23 - 25 / 11 / 2010



THE GROUP



TecniKabel
SPECIAL ELECTRICAL CABLES



HTC



TecniKabel
SPECIAL ELECTRICAL CABLES

THE INTERACTION WITH OUR CUSTOMERS

PRE-SALE ANALYSIS



*HARNESSES AND
ELECTRICAL CABINETS*



CUSTOMER

*ELECTRICAL AND
MECHANICAL TESTS*



SPECIAL CABLES



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