

**FAST  
RELIABLE  
COMPETENT**



**THE  
INNOVATIVE  
CABLE  
PRODUCER**

[www.etabirkablo.com](http://www.etabirkablo.com)

AFGHANISTAN - ARABIA - AZERBAIJAN - BAHRAIN - BELGIUM - BOSNIA - BRAZIL - BULGARIA - CHINA - CROATIA - DENMARK - EGYPT - ETHIOPIA FRANCE  
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LITHUANIA - MALAYSIA - MALTA - MOROCCO - NETHERLANDS - NORTH CYPRUS - NORTHERN IRELAND - NORWAY - PAKISTAN - POLOYA PORTUGAL - QATAR  
ROMANIA - RUSSIA - SINGAPORE - SLOVAKIA - SLOVENIA - SPAIN - SWEDEN - SWITZERLAND - SYRIA - TRINIDAD - TUNISIA TURKMENISTAN - UKRAINE  
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**2.4 million km  
of cable  
production  
( since 1983 )**

The average distance  
from the earth to the  
moon is 382.136 km.  
We continue producing !

**60  
countries  
using Birtaş  
cable products**

As of 2014 Birtaş Kablo is  
exporting its products to  
60 countries in  
5 continents.

**To be a reliable brand means bearing responsibility.**

**We are aware of our responsibilities !**

Ever since our establishment in 1983, it has been our goal to meet the needs of the global industry and its standards. Therefore we have set out our cable production using up to date technological facilities and continuous innovation, constantly bearing in mind our quality, environmental and social responsibilities.

We are committed to our customers' utmost satisfaction and our flexibility is our advantage, that also lead to our company expansion.

We can produce and deliver standard cables from our product range and special cable types according to our ability, in any needed lengths within the shortest delivery

time, gladly meeting your specific requirements.

This mentality has lead us to develop our corporate structure accordingly. Our management, production and R&D staff join this mentality and strives to service every inquiry, quote, and order quickly and efficiently, meeting and often exceeding customers' expectations.

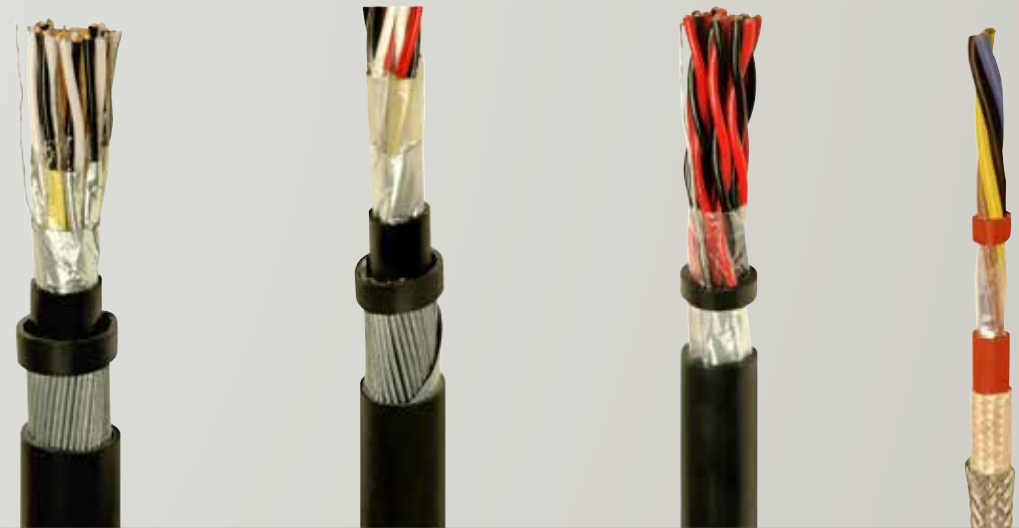
**No job is too big or too small for us, we are looking forward to our collaboration!**

## Fast Reliable Competent

- 30 years of experience in special and standard cable manufacturing
- Export to 60 countries all over the world
- Fast communication & customer services
- Short delivery term & guaranteed despatch date
- Professional technical support
- No minimum order quantity

## Certifications

- ISO 9001:2008 Quality Management System Certificate / VDE
- GOST - R Certificates
- GOST Fire Safety Certificate
- SWISS Product Certificate
- CE
- Turkish Product Certificates





## Cross Sections / Construction

- 1x0,05 - 4x400mm<sup>2</sup> / 6x300 mm<sup>2</sup>
- max. outer diameter 80 mm
- max. core no. 120x2,5 mm<sup>2</sup>

## Armor

- Galvanized steel / aluminium wire helically applied
- Galvanized steel wire braiding
- Galvanized steel taping

## Screen

- Various types of tapes
- Various metal wire braiding
- Various metal wires helically applied

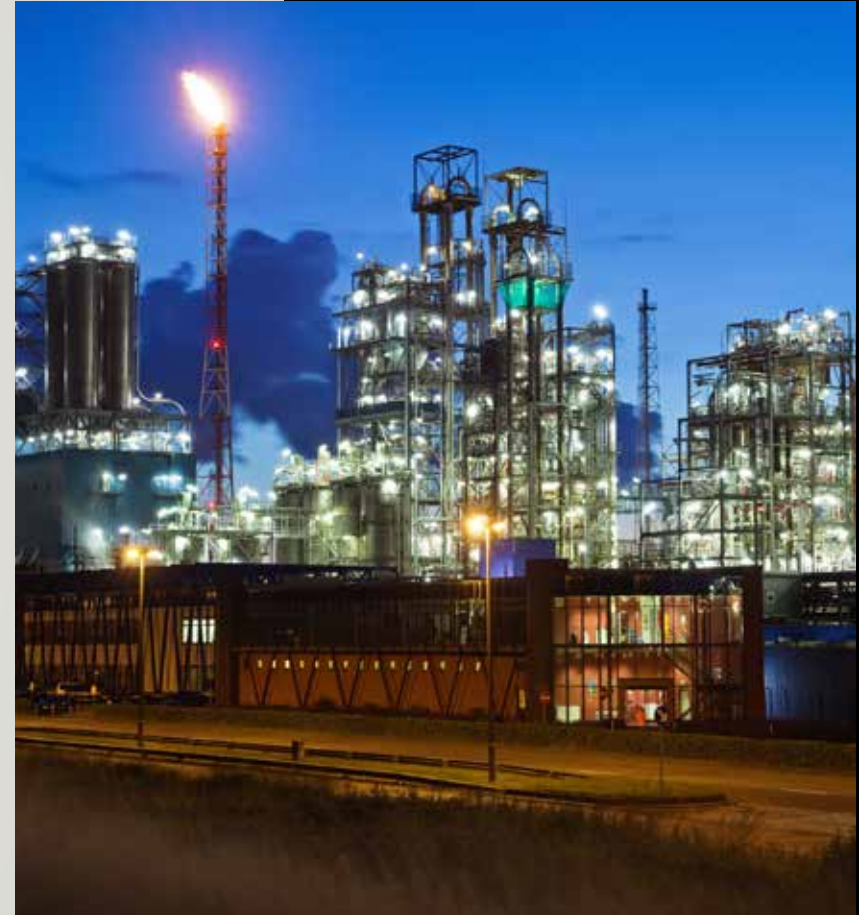
## Insulation and Sheath Materials

- Polyurethane compounds -65°C up to +125°C
- HFRR compounds / also oil resistant
- PVC compounds
- PE compounds
- XLPE compounds
- TPV compounds
- EPR compounds
- Rubber compounds
- Silicon compounds
- Polyester compounds
- Polypropylene compounds
- etc.



# Cable Types

- PUR Cables
- Instrumentation Cables
- Channel & Subsea Robot Cables
- Special & Hybrid Cables up to 12kV
- Mining & Tunnel Cables
- Crane & Tray Cables
- Draig Chain Cables
- Motor & Servo Cables
- Halogen Free & Flame Retardant & Fire Resistant Cables
- Control Cables
- Data & Computer Cables
- Special Silicone Cables
- Fire Alarm Cables



# PUR CABLE

Thermoplastic polyurethane (TPU) belongs to the thermoplastic elastomer family and has several useful properties like elasticity, transparency, resistance to oil, grease and abrasion.

Because of its excellent mechanical properties and oil/chemical resistance, TPU is an ideal choice for insulation and sheathing of high performance flexible cable applications.

## TPU properties, the ideal cable material:

- Temperature range: -65°C - +125°C
- Halogen free
- Flame retardant and flame resistant types possible
- Very high flexibility, even at lowest temperatures
- Good heat ageing resistance
- Weather resistant (rain, ozone, UV, snow)
- Resistant against fresh-, sea-, waste- and process water
- High tear resistance
- High abrasion and cutting resistance
- Resistant against big mechanical stresses
- Excellent resistance to oils, greases and fuels
- Resistance to solvents and acids
- Resistance to microbes
- Hydrolysis resistance
- Resistance to high flex-fatigue
- High elasticity over the entire hardness range

# Construction Data

## Conductor:

Flexible bare or tinned Cu conductor acc. EN 60228 class 5 till class 6 / column 7

## Cross sections / Construction:

- 1x0,05 – 4x400mm<sup>2</sup> / 6x300mm<sup>2</sup>
- max. cores, e.g. 120x2,5mm<sup>2</sup>
- max. outer diameter 80mm

## Insulation:

- PVC (polyvinyl chloride) compounds acc. EN 50363-3
- TPU (thermoplastic polyurethane) compounds acc. EN 50363-10-2
- EPR (crosslinked elastomer) compounds acc. EN 50363-1
- TPE-E (thermoplastic polyester elastomer) compounds
- Special PP (polypropylene) compounds acc. EN 50290-2-25
- and many more

## Inner-/Outer Sheath:

- TPU (thermoplastic polyurethane) compounds acc. EN 50363-10-2
- Our TPU cables can be designed acc. all kind of applications

## Application Fields Of Our TPU Cables

- Machine engineering and construction
- Plant engineering and construction
- For high cycling motion repetitions and big requirements to abrasion and flexibility
- Fresh-, sea-, waste- and process water
- Cooling lubricant
- Mining- and tunneling
- Crane- / tray engineering and construction
- Building- / civil engineering and construction
- Subsea
- Offshore / Onshore
- Electroplating industry
- Petrochemical industry
- Robotics
- Sensors
- Medical engineering
- Automobile sektor, e.g. ABS systems
- Handwork devices and machines
- Automation engineering
- Railway
- Nuclear power plants
- Ship- / train engineering and construction
- Public building engineering and construction
- Food industry





BİRTAS  
KABLOSAN®

#### HEADQUARTER

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