

CONTROL MULTI WIRE


STANDARD STATIC AND DYNAMIC APPLICATION CABLES

The cables of this family cover the main application requirements for power, signal and control in automation systems.

For each type of applications we have chosen the most modern materials, adequate to ensure the maximum reliability of the electrical connection.

From the fixed installation up to continuous movements with high performance behaviour, all our cables are characterized by excellent resistance to oils and industrial fluids, low capacity and - in the shielded version - with an excellent noise immunity

0,6 / 1,0 kV - 80 °C (0.50 mm2 - 0.75 mm2 - 1.0 mm2 - 1.50 mm2 - 2.50 mm2)



OUR ADVANTAGES



EASY SOLUTIONS

ADAPTABILITY IS ONE OF OUR BEST QUALITIES! IT PERMIT US TO COPE WITH YOUR REQUESTS IN A SHORT NOTICE AND EFFECTIVELY.



NO PRICE FIGHTS

WE ESCAPED THE OLASSICAL REBATE UNTIL YOU DROP POLICY. WE ARE PRICE WISE SINCE THE BEGINNING



HIGH LEVEL EXPERIENCE

OUR TECHNICAL CAPABILITIES HAVE BEEN TESTED FOR MORE THAN 30 YEARS AND IN DIRECT CONNECTION WITH END USERS. SO TODAY



ENDLESS INVESTIGATION

WE CONTINUOUSLY MEASURE EVERYTHING TEST, TEST AND TEST AGAIN. THIS HELPS UNDERSTAND RISKS AND REWARDS. AND BE PREPARED



NO FORTUNE TELLER

WE BASE OUR DECISIONS ON CLEAR BUSINESS PLANS, THINKING BEFORE MAKING OUR STEPS AND KEEPING A NOT TO DO LIST FOR EVERY MOVE OF THEM



TEAM BUILDING

OUR TEAMS MADE NOT ONLY BY OUR STAFF BUT IT INCLUDES ALSO ALL OUR CUSTOMERS. WE ACT LIKE A TEAM. WE GROW LIKE A TEAM. WE WIN LIKE A TEAM


CONTROL MULTI WIRE

MULTIPLE CONTROL CABLES


These cables are suitable - due to their construction - to the connection of I/O, sensors, etc.

The conductors are set up with black colour, sequential numbering and addition of Green Yellow if required.

The dielectric low-capacity and high insulation resistance allows us reduced dimensions.

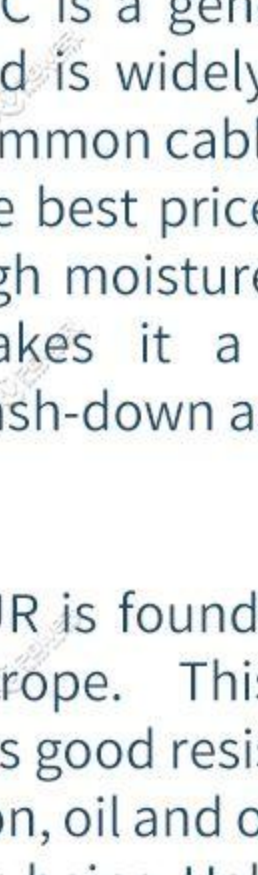


PRODUCT MIX




180 MULTI WIRE

APPLICATIVE FEATURES




5.000.000 cycles 6,5 x O.D.

300 m/min 20 m/s²




DP 300 MULTI WIRE-DYNAMIC PERFORMANCE

APPLICATIVE FEATURES




10.000.000 cycles 6,5 x O.D.

600 m/min 60 m/s²




MM.HP 600 MULTI WIRE HIGH PERFORMANCE

APPLICATIVE FEATURES




10.000.000 cycles 6,5 x O.D.

600 m/min 60 m/s²




BP 180 CMULTI WIRE SH

APPLICATIVE FEATURES




5.000.000 cycles 6,5 x O.D.

300 m/min 20 m/s²




DP 300 CMULTI WIRE SH DYNAMIC PERFORMANCE

APPLICATIVE FEATURES




10.000.000 cycles 6,5 x O.D.

600 m/min 60 m/s²



HP 600 CMULTI WIRE SH






APPLICATIVE FEATURES








10.000.000 cycles 6,5 x O.D.

600 m/min 60 m/s²

PVC

TECHNICAL DATA	CONSTRUCTION FEATURES
 OPERATING VOLTAGE 0,6 / 1,0 kV	Conductor Extra Flexible Bare Copper Class 6 acc.to IEC 60228
 TEMPERATURE (operative) - STATIC -50 °C / + 80 °C - DYNAMIC -25 °C / + 80 °C	Insulation Special Polypropylene
 DIELECTRIC STRENGTH 4,0 kV acc.to EN 50395 Part 6,7	Colour code Black, numbered, Yellow Green from 3 conductors
 INSULATION RESISTANCE ≥ 1 GΩ x km acc.to EN 50395 Part 8	Assembly Multi-layers divided by non-woven tape insert
 ELECTRICAL RESISTANCE IEC 60228 CL 6 acc.to EN 50395 Part 5	Shield Tinned Copper Braid O.C. ≥ 85%
	Separator Easy Strip-Away Tape
	Outer Sheath PVC
	Colour Grey RAL 7001

PUR

TECHNICAL DATA	CONSTRUCTION FEATURES
 OPERATING VOLTAGE 0,6 / 1,0 kV	Conductor Extra Flexible Bare Copper Class 6 acc.to IEC 60228
 TEMPERATURE (operative) - STATIC -50 °C / + 80 °C - DYNAMIC -40 °C / + 80 °C	Insulation Special Polypropylene
 DIELECTRIC STRENGTH 4,0 kV acc.to EN 50395 Part 6,7	Colour code Black, numbered, Yellow Green from 3 conductors
 INSULATION RESISTANCE ≥ 1 GΩ x km acc.to EN 50395 Part 8	Assembly Multi-layers divided by non-woven tape insert
 ELECTRICAL RESISTANCE IEC 60228 CL 6 acc.to EN 50395 Part 5	Shield Tinned Copper Braid O.C. ≥ 85%
	Separator Easy Strip-Away Tape
	Outer Sheath PUR
	Colour Black RAL 9005

WHICH CABLE JACKET IS BEST FOR YOUR APPLICATION?

There are many different types of cable jackets and each jacket works well in a specific application. The three main sensor cable jackets are PVC (Polyvinyl Chloride), PUR (polyurethane) and TPE (thermoplastic elastomer). Each jacket type has different benefits like washdown, abrasion resistant or high flexing applications. Finding the correct jacket type for your application can extend the life of the cable.



PVC is a general purpose cable and is widely available. It is a common cable, and typically has the best price point. PVC has a high moisture resistance, which makes it a good choice for wash-down applications.



PUR is found mostly in Asia and Europe. This cable jacket type has good resistance against abrasion, oil and ozone. PUR is known for being Halogen free, not containing: chlorine, iodine, fluorine, bromine or astatine. This jacket type does have limited temperature range compared to the other jacket types, -40...+80°C.



TPE is flexible, recyclable and has excellent cold temperature characteristics, -50...+125°C. This cable is resistant against aging in the sunlight, UV and ozone. TPE has a high-flex rating, typically 10 million.

The table below details the resistance to different conditions. Note that these relative ratings are based on average performance. Special selective compounding of the jacket can improve performance.

Choosing the right jacket type can help reduce failures in the field, reducing downtime and costs.

Resistance to:	PVC	PUR	TPE
Oxidation	Excellent	Excellent	Outstanding
Heat	Good - Excellent	Excellent	Outstanding
Oil	Fair	Outstanding	Outstanding
Low Temperature Flexibility	Poor - Good	Excellent	Outstanding
Weather, Sun	Good - Excellent	Excellent	Outstanding
Ozone	Excellent	Excellent	Excellent
Abrasion	Fair - Good	Excellent	Excellent
Electrical Properties	Far - Good	Excellent	Excellent
Flame	Excellent	Excellent	Outstanding
Nuclear Radiation	Fair	Excellent	Poor
Water	Good - Excellent	Good - Excellent	Excellent
Acid	Good - Excellent	Excellent	Excellent
Alkali	Good - Excellent	Excellent	Excellent
Gasoline	Poor	Excellent	Excellent
Benzol	Poor - Far	Excellent	Excellent
Degreaser Solvents	Poor - Far	Excellent	Excellent
Alcohol	Good - Excellent	Excellent	Excellent
Weld Slag	Fair	Excellent	Excellent



CONTROL MULTI WIRE









DETAIL DISPLAY



ONE

OXYGEN FREE PURE COPPER

Extra Flexible Bare Copper Class 6 acc.to IEC 60228

TWO

INSULATION

PUR/Special Rubber compound/on request





THREE

REINFORCE

steel wire / Kevlar braid (optional) / on request Play the role of bearing gravity and super tensile for the cable, and make the cable life longer

FOUR

LOW ECCENTRICITY

The outer skin is thin and uniform, effectively preventing current breakdown and ensuring power safety



FIVE

HIGH FLEXIBLE THREAD BODY

Special Thermoplastic Compound PUR/Special rubber compound based on NBR/others. Special Thermoplastic Compound PUR/Special rubber compound based on NBR/others

OIL RESISTANT

FLAME RESISTANT

HALOGEN FREE

COLD RESISTANT

ABRASION RESISTANT

OZONE RESISTANT

UV RESISTANT

MICROBE RESISTANT

MUD RESISTANT

WATER RESISTANT