

DERUL CAMERA CABLE for SEWER INSPECTION



Derul sewer inspection camera cables are used to operate sewer cameras, sewer robots and sewer renovation systems. Sewer inspection camera cables typically comprise a coaxial cable as a camera cable for transferring video signals and several conductors to control and illuminate the camera system, which is usually self-propelled.

This catalog contains a few typical samples of the many sewer inspection cables which Derul Cable has made or is able to make. We offer a variety of compatible replacement cables for most sewer cameras, sewer robots and sewer renovation systems.

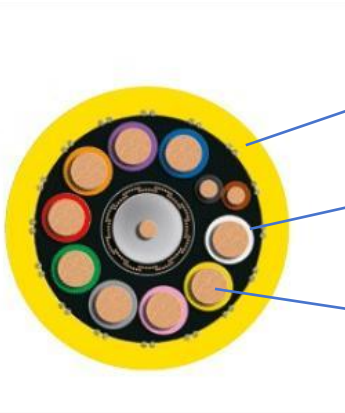


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Derul-PC001 Pipe Crawler Cable for IBAK

This cable is suitable for TV-MIDI systems from IBAK and many other kinds of pipe inspection crawlers.

It is designed to be applied with kevlar braiding which provides a tensile capability of up to 2500N. Highly durable PUR(TPU) material helps the cable remain a long life span even while it is used under a very high mechanical load.



High-flexible and durable PUR outer jacket

Highly protective PE insulation can reduce interference

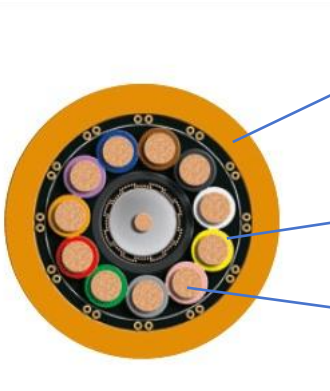
Corrosion resistant oxygen-free plain copper core

Core Material: Plain Copper
 Insulation: PE
 Outer Sheath: PUR
 Strength Member: Kevlar Fiber
 Diameter: 7.4 mm
 Poles (veins): $9 \times 0.5 \text{ mm}^2 + 2 \times 0.08 \text{ mm}^2$
 Coaxial: yes
 Optical fiber: no
 Explosion protection: tested according to IEC 60079-14:2014 Annex E.1

Derul-PC002 Pipe Crawler Cable for IBAK

This cable is well suitable for ARGUS 4, SIRIUS TRITON as well as the Baltic Series systems, which is one of our best selling products.

One advantage of this cable is its long life-span which is proved by thousands of hours of tests and satisfaction from many of our customers. It is designed to be applied with kevlar braiding which provides a tensile capability of up to 2500N. Highly durable PUR(TPU) material helps the cable remain a long life span even while it is used under a very high mechanical load.



High-flexible and durable PUR outer jacket

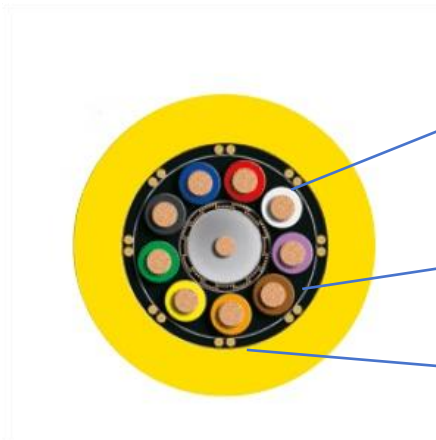
Highly protective PE insulation can reduce interference

Corrosion resistant oxygen-free plain copper core

Diameter: 9.5 mm
 Poles (veins): $11 \times 0.75 \text{ mm}^2$
 Core Material: Plain Copper
 Insulation: PE
 Outer Sheath: PUR
 Strength Member: Kevlar Fiber
 Braiding: no
 Coaxial: yes
 Optical fiber: no

Derul-PC003 Pipe Crawler Cable for IBAK

This cable fits Lisy synchronous system and Lisy system from IBAK and many other kinds of pipe inspection crawlers. Drummed either on the cable drum KT 220 or the cable winch Synchron. It is designed to be applied with kevlar braiding which provides a tensile capability of up to 2500N. The adaption of highly durable PUR(TPU) material builds a solid foundation for the cable's durability.



High-flexible and durable
PUR outer jacket

Highly protective PE insulation
can reduce interference

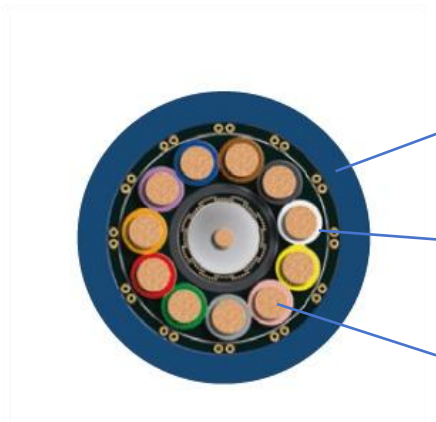
Corrosion resistant oxygen-
free plain copper core

Diameter: 6,3 mm
Poles (veins): 9 x 0,15 mm²
Core Material: Plain Copper
Insulation: PE
Outer Sheath: PUR
Strength Member: Kevlar Fiber
Braiding: no
Coaxial: yes
Optical fiber: no

Derul-PC004 Pipe Crawler Cable for IBAK

This cable is ideally suitable for all TV large-scale-units ARGUS 1-3 from IBAK.

The biggest advantage of it is its long life-span, which can be proved by thousands of hours of tests and satisfaction from many of our customers. It is designed to be applied with kevlar braiding which provides a tensile capability of up to 2500N. Outside of it is PUR(TPU) outer jacket, to make sure the whole cable can perform well.



High-flexible and durable
PUR outer jacket

Highly protective PE
insulation can reduce
interference

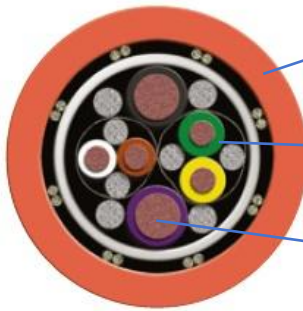
Corrosion resistant oxygen-
free plain copper core

Diameter: 11.2 mm
Poles (veins): 10 x 1.0 mm² + coax
Core Material: Plain Copper
Insulation: PE
Outer Sheath: PUR
Strength Member: Kevlar Fiber
Braiding: no
Coaxial: yes
Optical fiber: no

Derul-C001 CCTV Camera Cable for iPEK

This cable is suitable for SUPERVISION, ROVISION as an ideal, cost-effective replacement. It can be used on most pan and tilt cameras.

It is designed to be applied with kevlar braiding which provides a tensile capability of up to 2500N to protect the cable's function from inner and outer damage and water penetration. The adaption of highly durable PUR(TPU) material builds a solid foundation for the cable's durability, provides a long life-span even when withstanding large mechanical strength.



High-flexible and durable
PUR outer jacket

Highly protective PE
insulation can reduce
interference

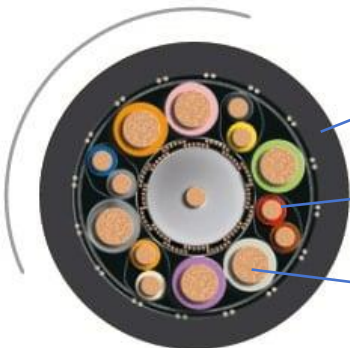
Corrosion resistant oxygen-
free plain copper core

Diameter: 6.4 mm
Poles (veins): $2 \times 0.75 \text{ mm}^2 + 2 \times 2 \times 0.15 \text{ mm}^2$
Core Material: Plain Copper
Insulation: PE
Outer Sheath: PUR
Strength Member: Kevlar Fiber
Braiding: no
Coaxial: no
Optical fiber: no

Derul-C002 CCTV Camera Cable for iPEK

This cable with diameter of 7.3mm is suitable for iPEK's Rover system and many other kinds of pipe inspection crawlers. It is favored by international customers for its reliability and durability. It is well matched with many kinds of camera which can help you realize the overall functions of the pipe crawler.

It is designed to be applied with kevlar braiding which provides a tensile capability of up to 2500N to protect the cable's function from inner and outer damage and water penetrating. The adaption of highly durable PUR(TPU) material builds a solid foundation for the cable's durability even under high mechanical strength. Also, the water penetration is limited under 1% even when the outer sheath is damaged.



High-flexible and durable
PUR outer jacket

Highly protective PE
insulation can reduce
interference

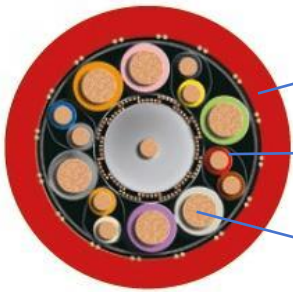
Corrosion resistant oxygen-
free plain copper core

Diameter: 7.3 mm
Poles (veins): $6 \times 0.5 \text{ mm}^2 + 4 \times (2 \times 0.15 \text{ mm}^2)$
Core Material: Plain Copper
Insulation: PE
Outer Sheath: PUR
Strength Member: Kevlar Fiber
Braiding: no
Coaxial: yes
Optical fiber: no

Derul-C003 CCTV Camera Cable for iPEK

This cable is suitable for the Rover system from iPEK, with 8.5mm diameter, which is highly durable and reliable, has an additional thick jacket for its heavy-duty application. With this cable suitable for many kinds of special cable application, you can fully realize the pipe crawler's functions.

It is designed to be applied with kevlar braiding which provides a tensile capability of up to 2500N. Highly durable PUR(TPU) material helps the cable remain a long life span even while it is used under a very high mechanical load.



High-flexible and durable
PUR outer jacket

Highly protective PE
insulation can reduce
interference

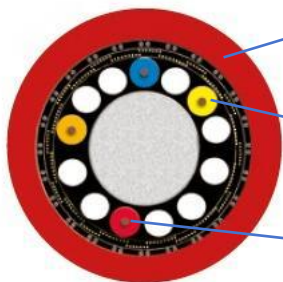
Corrosion resistant oxygen-
free plain copper core

Diameter: 8.5 mm
Poles (veins): $6 \times 0,5 \text{ mm}^2 + 4 \times (2 \times 0,15 \text{ mm}^2)$
Core Material: Plain Copper
Insulation: PE
Outer Sheath: PUR
Strength Member: Kevlar Fiber
Braiding: no
Coaxial: yes
Optical fiber: no

Derul-C004 CCTV Camera Cable for RIDGID

This cable is suitable for SeeSnake Mini from RIDGID. It is favored by international customers for its reliability and durability. It is well matched with many kinds of camera which can help you realize the overall functions of the pipe crawler.

It is designed to be applied with kevlar braiding which provides a tensile capability of up to 2500N to protect the cable's function from inner and outer damage and water penetrating. The adaption of highly durable PUR(TPU) material builds a solid foundation for the cable's durability even under high mechanical strength. Also, the water penetration is limited under 1% even when the outer sheath is damaged.



High-flexible and durable
PUR outer jacket

Highly protective PE
insulation can reduce
interference

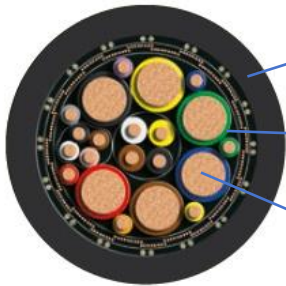
Corrosion resistant oxygen-
free plain copper core

Diameter: 9.1mm
Poles (wires): $4 \times 0.34 \text{ mm}^2$
Core Material: Plain Copper
Insulation: PE
Outer Sheath: PUR
Strength Member: Kevlar Fiber
Braiding: no
Coaxial: Yes
Optical fiber: no

Derul-SC001 Sewer Camera Cable for JT-elektronik

This cable with 21 wires embedded in a kevlar braid, is suitable for semi-Ex and Ex-units from JT-elektronik.

It is designed to be applied with kevlar braiding which provides a tensile capability of up to 2500N to protect the cable's function from inner and outer damage and water penetrating. The adaption of highly durable PUR(TPU) material builds a solid foundation for the cable's durability even under high mechanical strength. Also, the water penetration is limited under 1% even when the outer sheath is damaged.



High-flexible and durable
PUR outer jacket

Highly protective PE
insulation can reduce
interference

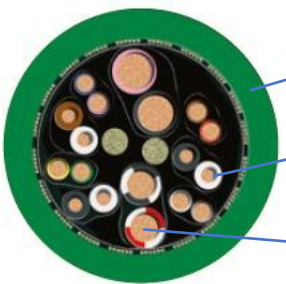
Corrosion resistant oxygen-
free plain copper core

Diameter: 10.2 mm
Poles (veins): $6 \times 1.5 \text{ mm}^2 + 15 \times 0.14 \text{ mm}^2$
Core Material: Plain Copper
Insulation: PE
Outer Sheath: PUR
Strength Member: Kevlar Fiber
Braiding: no
Coaxial: no
Optical fiber: no

Derul-SC002 Sewer Camera Cable for JT-elektronik

This cable is suitable for Lindauer Schere and the satellite system with Lindauer Schere from JT-elektronik.

It is designed to be applied with kevlar braiding which provides a tensile capability of up to 2500N to protect the cable's function from inner and outer damage and water penetrating. The adaption of highly durable PUR(TPU) material builds a solid foundation for the cable's durability even under high mechanical strength. Also, the water penetration is limited under 1% even when the outer sheath is damaged.



High-flexible and durable
PUR outer jacket

Highly protective PE
insulation can reduce
interference

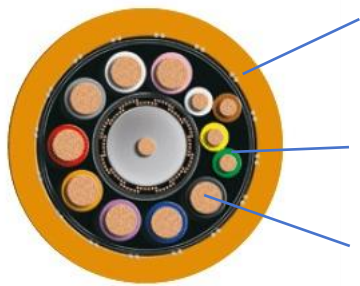
Corrosion resistant oxygen-
free plain copper core

Diameter: 8.6 mm
Poles (veins): $6 \times 0.08 \text{ mm}^2 + 8 \times 0.1 \text{ mm}^2 + 2 \times 0.35 \text{ mm}^2 + 2 \times 0.5 \text{ mm}^2$
Core Material: Plain Copper
Insulation: PE
Outer Sheath: PUR
Strength Member: Kevlar Fiber
Braiding: no
Coaxial: no
Optical fiber: no

Derul-SC003 Sewer Camera Cable for Rausch

This cable is suitable for RCA 1000 and Proline from Rausch. We are favored by many of our customers for the cable's long life-span and reliability under high mechanical strength.

The reasonable price structure is also the guarantee to our long-term relationship with our customers. It is designed to be applied with kevlar braiding which provides a tensile capability of up to 2500N to protect the cable's function from inner and outer damage and water penetrating. The adaption of highly durable PUR(TPU) material builds a solid foundation for the cable's durability even under high mechanical strength. Also, the water penetration is limited under 1% even when the outer sheath is damaged.



High-flexible and durable
PUR outer jacket

Highly protective PE insulation
can reduce interference

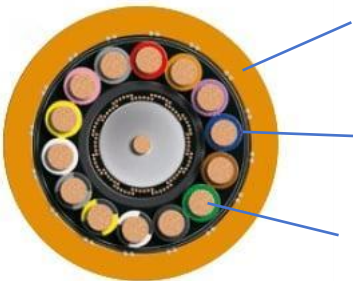
Corrosion resistant oxygen-
free plain copper core

Diameter: 7.5 mm
Poles (veins): 14 x 0.25 mm² +
coaxCore Material: Plain Copper
Insulation: PE
Outer Sheath: PUR
Strength Member: Kevlar Fiber
Braiding: no
Coaxial: yes
Optical fiber: no

Derul-SC004 Sewer Camera Cable for Rausch

This flexible 7.5mm cable is connected in between the cable winches Quadtro SAT or K15 sync and the camera or in between the push cable and the winch from Rausch.

The reasonable price structure and the reliability of our customer service is also the guarantee to our long-term relationship with our customers. It is designed to be applied with kevlar braiding which provides a tensile capability of up to 2500N. Highly durable PUR(TPU) material helps the cable remain a long life span even while it is used under a very high mechanical load.



High-flexible and durable
PUR outer jacket

Highly protective PE
insulation can reduce
interference

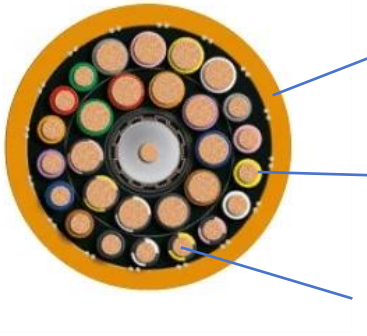
Corrosion resistant oxygen-
free plain copper core

Diameter: 7.5 mm
Poles (veins): 14 x 0.25 mm² +
coaxCore Material: Plain Copper
Insulation: PE
Outer Sheath: PUR
Strength Member: Kevlar Fiber
Braiding: no
Coaxial: yes
Optical fiber: no

Derul-SC005 Sewer Camera Cable for Rausch

This 11.5mm sewer camera cable is suitable for BRA 95 and RCA 90 from Rausch.

It is designed to be applied with kevlar braiding which provides a tensile capability of up to 2500N. Highly durable PUR(TPU) material helps the cable remain a long life span even while it is used under a very high mechanical load.



High-flexible and durable
PUR outer jacket

Highly protective PE
insulation can reduce
interference

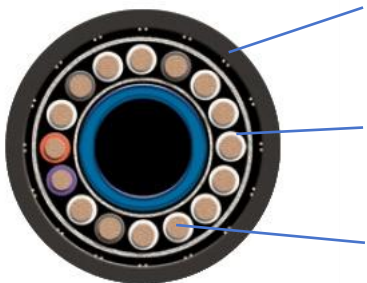
Corrosion resistant oxygen-
free plain copper core

Diameter: 9.5 mm
Poles (veins): 11 x 0.75 mm²
Core Material: Plain Copper
Insulation: PE
Outer Sheath: PUR
Strength Member: Kevlar Fiber
Braiding: no
Coaxial: yes
Optical fiber: no

Derul-R001 Robot Cable for KA-TE

This cable is suitable for robot and renovation systems from KA-TE. It is designed for high mechanical load and long life-span.

Its bend resistance and high flexibility make it suitable for the working condition in which the robot frequently moves. It is designed to be applied with kevlar braiding which provides a tensile capability of up to 2500N. Highly durable PUR(TPU) material helps the cable remain a long life span even while it is used under a very high mechanical load.



High-flexible and durable
PUR outer jacket

Highly protective PE
insulation can reduce
interference

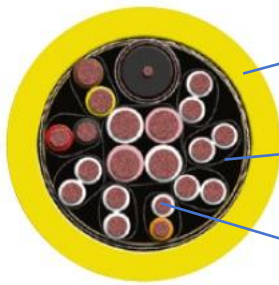
Corrosion resistant oxygen-
free plain copper core

Diameter: 16.2 mm
Poles (veins): 10 x 1.0 mm x 0.60 mm +
2 + PUR 6 x 8 mm
Core Material: Plain Copper
Insulation: PE
Outer Sheath: PUR
Strength Member: Kevlar Fiber
Braiding: no
Coaxial: no
Optical fiber: no

Derul-R002 Robot Cable for SIKA

This cable is suitable for robots from SIKA. Its bend resistance and high flexibility make it suitable for the working condition in which the robot frequently moves.

It is designed to be applied with kevlar braiding which provides a tensile capability of up to 2500N. Highly durable PUR(TPU) material helps the cable remain a long life span even while it is used under a very high mechanical load.



High-flexible and durable
PUR outer jacket

Highly protective PE
insulation can reduce
interference

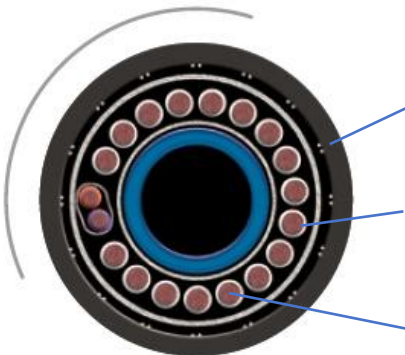
Corrosion resistant oxygen-
free plain copper core

Diameter: 16.5 mm
Poles (veins): $4 \times 2 \text{ mm}^2 + 6 \times 2 \times 0.8 \text{ mm}^2 + 2 \times 1.3 \text{ mm}^2 + 2 \times 0.5 \text{ mm}^2$
Core Material: Plain Copper
Insulation: PE
Outer Sheath: PUR
Strength Member: Kevlar Fiber
Braiding: no
Coaxial: yes
Optical fiber: no

Derul-R003 Robot Cable for PMO

This hybrid cable is suitable for robot and renovation systems from PMO.

It is designed for high mechanical load and long life-span. Its bend resistance and high flexibility make it suitable for the working condition in which the robot frequently moves. It is designed to be applied with kevlar braiding which provides a tensile capability of up to 2500N. Highly durable PUR(TPU) material helps the cable remain a long life span even while it is used under a very high mechanical load.



High-flexible and durable
PUR outer jacket

Highly protective PE
insulation can reduce
interference

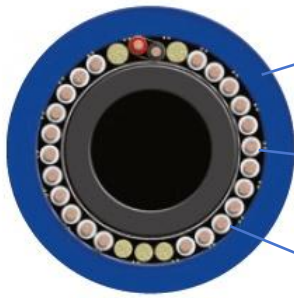
Corrosion resistant oxygen-
free plain copper core

Diameter: 17.3 mm
Poles (veins): $17 \times 0,75 \text{ mm}^2 + 2 \times 0,50 \text{ mm}^2 + \text{PUR } 6 \times 8 \text{ mm}$
Core Material: Plain Copper
Insulation: PE
Outer Sheath: PUR
Strength Member: Kevlar Fiber
Braiding: no
Coaxial: no
Optical fiber: no

Derul-R004 Robot Cable for IBG

This cable is suitable for renovation robots HydroCut from IBG. This cable can be also used on the mobile reel HydroCut 60 & 100 Compact.

Its bend resistance and high flexibility make it suitable for the working condition in which the robot frequently moves. It is designed to be applied with kevlar braiding which provides a tensile capability of up to 2500N. Highly durable PUR(TPU) material helps the cable remain a long life span even while it is used under a very high mechanical load.



高柔性耐久型PUR材料护套

PE高保护性绝缘层可降低干扰

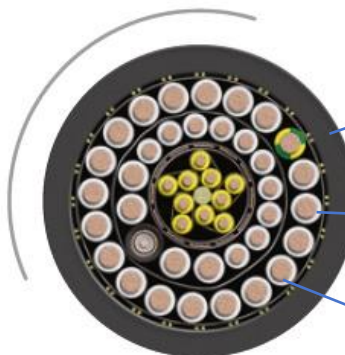
耐腐蚀无氧纯铜芯线

Diameter: 39.5 mm
 Poles (veins): $23 \times 0.5 \text{ mm}^2 + 2 \times 0.5 \text{ mm}^2 \text{ TP} + \text{DN10 245 bar}$
 Core Material: Plain Copper
 Insulation: PE
 Outer Sheath: PUR
 Strength Member: Kevlar Fiber
 Braiding: no
 Coaxial: no
 Optical fiber: no

Derul-UV001 UV Curing System Cable for ProKASRO

This 20.2mm cable is suitable for the UV curing drums like KASRO UV curing drum BASIC/BASIC PLUS and KASRO UV curing drum.

This Derul UV curing cable is designed to be with 44 cores plus a coax cable. It has a high capability of withstanding mechanical strength and has a long life-span. Also, the water penetration is limited under 1% even when the outer sheath is damaged.



High-flexible and durable PUR outer jacket

Highly protective PE insulation can reduce interference

Corrosion resistant oxygen-free plain copper core

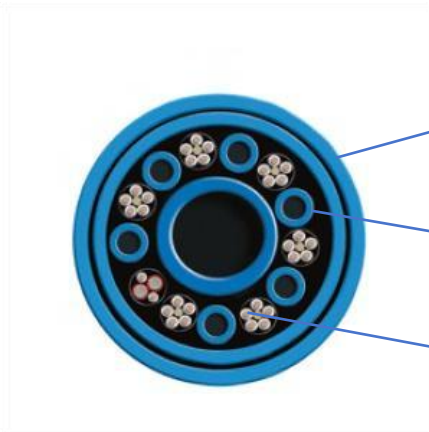
Diameter: 20.2 mm
 Poles (veins): $(5 \times 2 \times 0.25 \text{ mm}^2) \text{ C} + 10 \times 0.6 \text{ mm}^2 + 24 \times 1.5 \text{ mm}^2 + \text{coax}$
 Core Material: Plain Copper
 Insulation: PE
 Outer Sheath: PUR
 Strength Member: Kevlar Fiber
 Braiding: no
 Coaxial: no
 Optical fiber: no

Derul-UV002 UV Curing Cable for ProKASRO



This 39.5mm Derul cable is suitable for the combination cable drums from ProKASRO. It provides control and power supply for pneumatic robot systems, and has a long life-span.

It is designed to be applied with kevlar braiding which provides a tensile capability of up to 2500N. Highly durable PUR(TPU) material helps the cable remain a long life span even while it is used under a very high mechanical load.



High-flexible and durable PUR outer jacket

Highly protective PE insulation can reduce interference

Corrosion resistant oxygen-free plain copper core

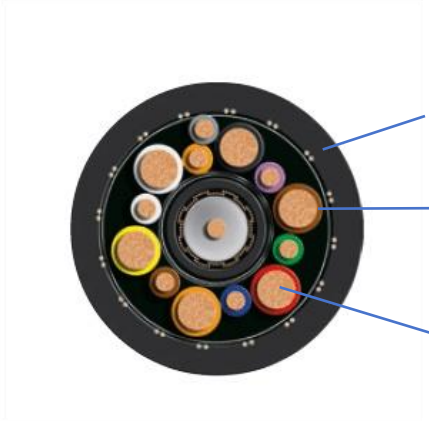
Diameter: 6.4 mm
Poles (veins): $2 \times 0.75 \text{ mm}^2 + 2 \times 2 \times 0.15 \text{ mm}^2$
Core Material: Plain Copper
Insulation: PE
Outer Sheath: PUR
Strength Member: Kevlar Fiber
Braiding: no
Coaxial: no
Optical fiber: no

Derul-PI001 Pipe Inspection Cable for RICO



This 9.9mm cable is suitable for portable inspection systems such as the MAXIMA Plus and color TV inspection system FS7535C as well as in installations of RICO systems.

The cable is designed with a total of 13 wires plus a coax cable which can withstand high mechanical loads and have a long lifespan, well protected by a kevlar braid and covered by a PUR sheath. Also, the water penetration is limited under 1% even when the outer sheath is damaged.



High-flexible and durable PUR outer jacket

Highly protective PE insulation can reduce interference

Corrosion resistant oxygen-free plain copper core

Diameter: 9.9 mm
Poles (veins): $6 \times 1.0 \text{ mm}^2 + 7 \times 0.25 \text{ mm}^2 + \text{coax}$
Core Material: Plain Copper
Insulation: PE
Outer Sheath: PUR
Strength Member: Kevlar Fiber
Braiding: no
Coaxial: yes
Optical fiber: no