

Image-to-Text Evaluation

Pablo de Vicente Abad 8/02/2025

Prompt: Describe in a technical manner the content of the image

Did some light experiments with Describe (the content of) the image but much more vague descriptions

LLaMa 3.1: [Llama3](#)

- 8b parameters
- more models available

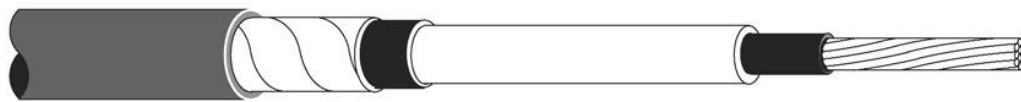
LLaVa 1.5: [LLaVa](#)

- 7b parameters
- Supports batch inference

Florence o.23B: [Florence 2](#)

- 0.23B
- Pretrained model with FLD-5:

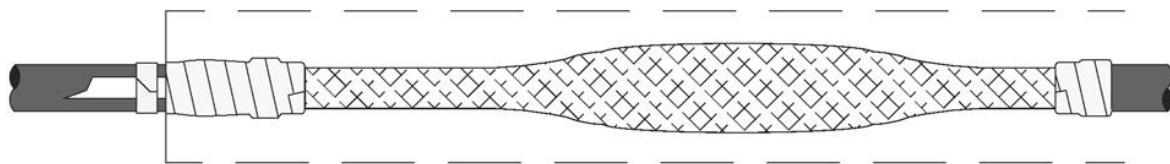
Florence o.7B: [Florence 2](#)



Tape Shielded Cable



LC Shielded Cable



LlaMa 3.1:

The image shows a cross-section of a cable, with the following elements:

1. **Insulation**: The outermost layer is a black insulation, which provides electrical insulation and protects the inner wires from environmental factors.
2. **Shielding**: The insulation is wrapped with a copper shielding layer, which provides electromagnetic interference (EMI) protection and helps to prevent signal degradation.
3. **Twisted pairs**: Inside the shielding layer, there are twisted pairs of wires, which are used for data transmission. The twisted pairs are made up of two wires twisted together to provide a balanced signal.
4. **Copper wires**: The twisted pairs are made up of copper wires, which are used for data transmission. The copper wires are insulated with a thin layer of insulation to prevent electrical shorts.
5. **Core**: The center of the cable is a single copper wire, which serves as the core of the cable. The core wire is insulated with a thin layer of insulation to prevent electrical shorts.

The

LlaVa 1.5:

The image features a close-up of a cable, likely a power or telecommunications cable. The cable is shown in three different positions, with each position showing a different stage of the cable's installation. The cable is depicted in a black and white color scheme, which adds to the

technical nature of the image. The close-up view of the cable allows for a detailed examination of its structure and composition.

Florence o.23B:

'The image shows three different types of cables, each with a different length and width. The first cable is labeled "Tape Shielded Cable" and the second cable is labelled "LC Shielded Cable". The third cable has a curved shape with a pointed end and a flat end. All three cables have a black and white color scheme.

Florence o.7B:



LlaMa 3.1:

The image shows a cross-section of a cable, which is a bundle of insulated wires. The cable has a central core, which is a bundle of wires that are insulated and twisted together. The core is surrounded by a layer of insulation, which is a protective material that prevents the wires from touching each other. The insulation layer is made of a material that is resistant to heat and moisture, and it helps to protect the wires from damage. The cable also has a jacket, which is a protective layer that covers the entire cable. The jacket is made of a material that is resistant to heat and moisture, and it helps to protect the cable from damage. The cable has a diameter of approximately 1.5 inches, and it is 20 feet long. The cable is made of a material that is resistant to heat and moisture, and it is designed to withstand a variety of environmental conditions. The cable has a number of wires, each of which is insulated and twisted together. The wires are made

LlaVa 1.5:

The image features a close-up view of a group of wires, likely electrical wires, coiled together. The wires are colorful, with a mix of orange, white, and blue hues. The wires are tightly coiled, creating a visually appealing pattern. The close-up perspective allows the viewer to appreciate the intricate details of the wires and their arrangement.

Florence 0.23B:

The image shows a close-up of a cable holder with multiple wires in it. The wires are of different colors and sizes, and they are arranged neatly in the holder. The holder is black in color and has a cylindrical shape.

Florence 0.7B:

LlaMa 3.1:

The image depicts a pair of metal components, specifically a nut and a bolt, with a hexagonal head. The nut has a left-hand thread, which is visible in the image. The bolt has a right-hand thread, and its head is slightly rounded. The components are made of a silver-colored metal, which is likely a type of steel alloy. The surface finish appears to be a machined finish, with visible machining marks and a slight roughness to the surface. The image also shows a small amount of debris or residue on the surface of the components, which may be a result of the manufacturing process.

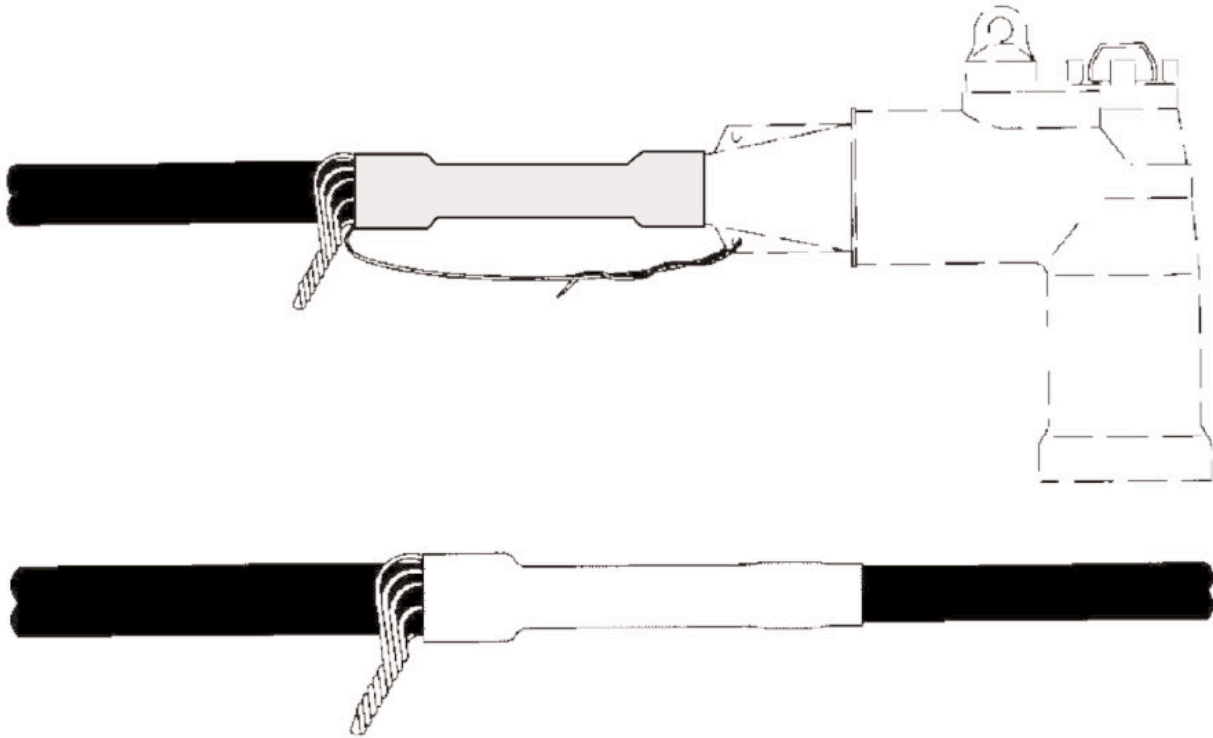
LlaVa 1.5:

The image features two silver rings, each with a hexagonal shape. The rings are placed next to each other, creating a visually appealing contrast. The rings are made of metal, which gives them a shiny and reflective appearance. The close-up view of the rings highlights their intricate details and design.

Florence o.23B:

The image shows a pair of stainless steel washers on a white background. The washers are hexagonal in shape and have a silver-colored finish. They are placed side by side, with one slightly overlapping the other.'

**Florence o.7B:**



LlaMa 3.1:

The image shows a cross-section of a cable with several elements.

1. The cable's outer sheath is visible, which is a protective layer that prevents the cable from being damaged.
2. Inside the outer sheath, there are several layers of insulation, which are made of a material that prevents electrical current from flowing through the cable.
3. The insulation layers are followed by a layer of copper wire, which is the conductor that carries the electrical current.
4. The copper wire is surrounded by a layer of insulation, which is made of a material that prevents electrical current from flowing through the cable.
5. The insulation layer is followed by a layer of copper wire, which is the conductor that carries the electrical current.
6. The copper wire is surrounded by a layer of insulation, which is made of a material that prevents electrical current from flowing through the cable.
7. The insulation layer is followed by a layer of copper wire, which is the conductor that carries the electrical current.
- 8.

LlaVa 1.5:

The image features a close-up view of a rope with a knot in it. The knot is located near the center of the rope, and it appears to be a complex structure. The rope itself is white and appears to be made of a synthetic material. The close-up view of the rope and knot provides a detailed look at the intricate design and structure of the knot.

Florence o.23B:

The image shows a black and white drawing of a cable with a metal handle and a wire attached to it. The cable appears to be a type of cable, with a cylindrical shape and a pointed end. The metal handle is connected to the cable with two wires, one on each end, and the other on the other. The wire is likely used to connect the cable to a power source.

Florence o.7B:



LlaMa 3.1:

The image depicts a cross-sectional view of a pipe system.

The elements in the image are:

1. **Pipe**: The pipe is a cylindrical structure with a circular cross-section. It has a diameter of approximately inches, as indicated by the scale.
2. **Pipe Wall**: The pipe wall is the outer layer of the pipe, which is composed of a material such as steel or PVC. The wall thickness is not explicitly stated, but it appears to be around inches.

3. **Pipe Inner Diameter**: The pipe inner diameter is the inner surface of the pipe, which is also circular in shape. The diameter is not explicitly stated, but it appears to be around inches.
4. **Pipe Lining**: The pipe lining is an inner layer of the pipe, which is designed to protect the pipe from corrosion and damage. The lining is not explicitly stated, but it appears to be around inches thick.
5. **Pipe Support**: The pipe support is a structure that holds the pipe in place

LlaVa 1.5:

The image features a close-up view of a bottle, likely containing a liquid or a powder. The bottle is made of glass and has a white label on it. The label displays the word "Insulin" in black text, indicating that the bottle might contain insulin or a related product. The bottle is positioned in the center of the image, with the label clearly visible.

Florence o.23B:

The image shows a steel casement with the words "Insertion Seal" written on it. The casement is made of steel and has a cylindrical shape with a pointed end. The text is written in black and is clearly visible. The background of the image is white.

Florence o.7B:

input groq

Combine the following three texts into a single one that retains all information:

"

The image shows a cross-section of a cable, with the following elements: 1. **Insulation**: The outermost layer is a black insulation, which provides electrical insulation and protects the inner wires from environmental factors. 2. **Shielding**: The insulation is wrapped with a copper shielding layer, which provides electromagnetic interference (EMI) protection and helps to prevent signal degradation. 3. **Twisted pairs**: Inside the shielding layer, there are twisted pairs of wires, which are used for data transmission. The twisted pairs are made up of two wires

twisted together to provide a balanced signal. 4. **Copper wires**: The twisted pairs are made up of copper wires, which are used for data transmission. The copper wires are insulated with a thin layer of insulation to prevent electrical shorts. 5. **Core**: The center of the cable is a single copper wire, which serves as the core of the cable. The core wire is insulated with a thin layer of insulation to prevent electrical shorts. The image features a close-up of a cable, likely a power or telecommunications cable. The cable is shown in three different positions, with each position showing a different stage of the cables installation. The cable is depicted in a black and white color scheme, which adds to the technical nature of the image. The close-up view of the cable allows for a detailed examination of its structure and composition. The image shows three different types of cables, each with a different length and width. The first cable is labeled "Tape Shielded Cable" and the second cable is labelled "LC Shielded Cable". The third cable has a curved shape with a pointed end and a flat end. All three cables have a black and white color scheme

"

The image shows a close-up of a cable, likely a power or telecommunications cable, in a black and white color scheme, which adds to the technical nature of the image. The close-up view of the cable allows for a detailed examination of its structure and composition. The cable features a cross-section that reveals its various components, including:

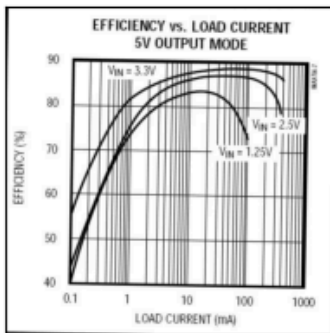
1. **Insulation**: The outermost layer is a black insulation, which provides electrical insulation and protects the inner wires from environmental factors.
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The image shows three different types of cables, each with a different length and width. The first cable is labeled Tape Shielded Cable and the second cable is labelled LC Shielded Cable. The third cable has a curved shape with a pointed end and a flat end. All three cables are depicted in various stages of installation, with each position showing a different stage of the cables' installation.

table gpt

'The given dataframe contains information about different parts, specifically their part numbers, the number of conductors, nominal outer diameters, copper weights, and approximate weights. Each row represents a unique part with specific details. Here is a detailed description for each row:\n\n1. **Part number 302402**:\n - **Number of conductors**: 2\n - **Nominal outer diameter in inches**: 0.165\n - **Nominal outer diameter in mm**: 4.2\n - **Copper weight lbs/mft**: NaN (not available)\n - **Approximate weight lbs/mft**: 3\n - **SKINTOP® SL PG thread**: S1107\n\n2. **Part number 302403**:\n - **Number of conductors**: 3\n - **Nominal outer diameter in inches**: 0.172\n - **Nominal outer diameter in mm**: 4.4\n - **Copper weight lbs/mft**: NaN (not available)\n - **Approximate weight lbs/mft**: 5\n - **SKINTOP® SL PG thread**: S1107\n\n3. **Part number 302404**:\n - **Number of conductors**: 4\n - **Nominal outer diameter in inches**: 0.183\n - **Nominal outer diameter in mm**: 4.6\n - **Copper weight lbs/mft**: NaN (not available)\n - **Approximate weight lbs/mft**: 6\n - **SKINTOP® SL PG thread**: S1107\n\n4. **Part number 302406**:\n - **Number of conductors**: 6\n - **Nominal outer diameter in inches**: 0.209\n - **Nominal outer diameter in mm**: 5.3\n - **Copper weight lbs/mft**: NaN (not available)\n - **Approximate weight lbs/mft**: 9\n - **SKINTOP® SL PG thread**: S1107\n\n5. **Part number 302408**:\n - **Number of conductors**: 8\n - **Nominal outer diameter in inches**: 0.223\n - **Nominal outer diameter in mm**: '

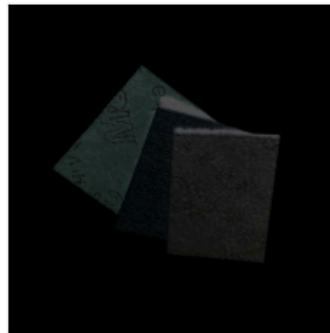
Classifier label examples



Product (0)



Product (0)



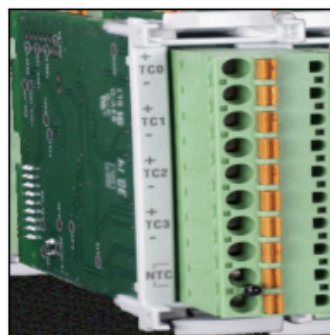
not_product (1)



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Product (0)



not_product (1)



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Product (0)