



GRAYCELL TECHNOLOGIES

Project Name: Custom Cable Tool

Technology: PHP language, WordPress framework

Background:

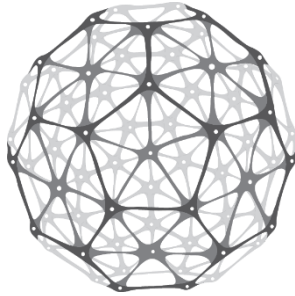
Technological advancements in various fields have increased the requirement of specialized cable solutions. Megladon Manufacturing Group, Ltd. wanted to create a custom cable design tool for a variety of industries like electrical, electronics, medical, automobile, etc. and help the buyers meet the rigorous industry standards and guidelines. The idea was to design and sell the specialized cable assembly that can address the buyer's unique requirements.

Unique Solution:

We created the custom cable configuration plugin for our client (Megladon). This plugin helped the end-users design a varied combination of custom cables. We combined this custom cable configuration tool with WooCommerce to make a product that was unique and easy to use by the end-users.

Description:

Megladon utilizes the custom cable configuration tool that enables customers to buy cables according to their industry requirements. Our specialized cable solution is integrated with the WooCommerce plugin. The custom cable configuration tool helps the buyer to customize cable products, and WooCommerce enables ordering these products.



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Megladon Custom Fiber Optic Cables

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Custom Cable Configurator

1 GLASS TYPE					
2 JACKET TYPE	SM (9/125um)	SM (9/125um) BBXS	MM OM1 (62.5um)	MM OM3 (50um) - 10GIG 300	MM OM4 (10GIG 550)
3 FIBER COUNT					
4 CONNECTOR A					
5 CONNECTOR B					
6 BOOT TYPE					
7 LENGTH					

\$00.00 ea.



This industrial cable solution allows the buyers to set the cable configurations such as color, length, type of material, parts connected to both sides, and more. On setting configuration, the buyer can order the custom cable.

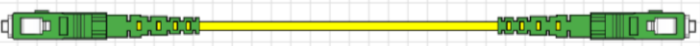
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Custom Cable Configurator

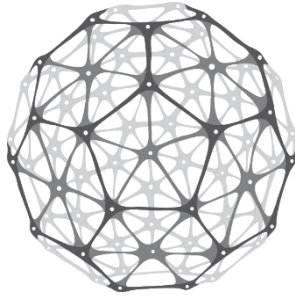
1 GLASS TYPE			
2 JACKET TYPE	2	Meters	Gold
3 FIBER COUNT			
4 CONNECTOR A			
5 CONNECTOR B			
6 BOOT TYPE			
7 LENGTH			

\$00.00 ea.



SC APC RIBBED SM (9/125UM) INDOOR PLENUM 250UM SIMPLEX SC APC RIBBED





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In case the buyer's cable assembly is not listed in the database or does not match the pre-existing cable configuration (set by admin), the buyer can request a quote of the newly configured cable from the Megladon team. For this, the buyer needs to provide their details - name, email ID, and phone number to send the request. Once the request is sent, the Megladon team provides information about the new cable assembly (i.e., time and cost of the making of the cable assembly) based on which the buyer can make an informed choice as per their requirements.

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Custom Cable Configurator

1 GLASS TYPE
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5 CONNECTOR B
6 BOOT TYPE
7 LENGTH

\$00.00 ea.
PART #: 116ABB1-2M
[Request a Quote!](#)

2 Meters

SC APC RIBBED SM (9/125UM) INDOOR PLENUM 250UM SIMPLEX SC APC RIBBED

Benefits:

Our custom cable configuration plugin offers the following benefits to the customers:

- **Accuracy** - This plugin enables setting the cable configuration as per the design requirement. It makes the application extremely precise to fit into the tolerance level detailed for the assembly.
- **Flexibility** - The length of cables can be tailored as per individual project requirements and compliance requirements. It eliminates the need to hide excessive cables and ensures a clean setup.
- **Time-Saving** - This plugin is very useful in saving the customer's time as customizing cables according to a specific application takes several hours, and there are many hurdles during this process, such as specification mismatch.



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- **Quantity** - Cables can be ordered in bulk according to buyers' application requirements. Customization eliminates any wastage of cables. The exact count for the conductor, its size, and strands can be optimized during the assembly design. No excessive cable is left after the assembly is completed.
- **Cost Saving** - Our plugin eliminates the need to pay for extra cable, and thus saves the buyer's money.

Challenges:

The main challenge was to create a dynamic custom cable tool on canvas. Our technical team used JavaScript to create dynamic cables with custom parts. They also made several different images with different width and height to create dynamic cables with different components.

Setting the configuration of cable products was another challenge that was resolved by our development team. They built different components and integrated them with cable formats. Further, they integrated the cable assembly with WooCommerce. For this, they created a special product and linked it with the custom cable tool.

The third challenge was to add the custom cable tool components in order details and email. For this, our developers used WooCommerce hooks to add the details of components in order details and email.

Conclusion:

The tool has been a great enabler and given Megladon an additional advantage to increase their reach in the market and sign up more clients through consolidated marketing campaigns.

GrayCell has a SLA (Service Level Agreement) with Megladon and we have been maintaining and upgrading the custom tool configuration tool for the past few years.