

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2026-328
Item to be Scouted	Unrepeated Submarine Fiber Optic Cable
Days to be scouted	30
Response Due By	07/31/2026
Description	Unrepeated submarine fiber optic cable is a type of submarine fiber optic cable that does not use electronic repeaters (devices which amplify signals over long distances). Whereas repeated submarine fiber optic cable is

Section 2: Technical Information

Type of supplier being sought	deployments, as well as tundra deployments in Alaska.
Reason	Manufacturer Alaska BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	All submarine fiber optic cable is manufactured by cladding glass optical fiber in at least one layer of armored material, generally steel wire, copper and steel tubes, and high-density polyethylene. Unrepeated submarine fiber optic cable (the product in question), is generally considered a lightweight submarine cable, meaning less armoring is required. Additionally, unrepeated submarine cable is not made with subsea repeaters, which are electronic devices that amplify and repeat the signal, as well as the power feed equipment required to power the repeaters. Repeated submarine cable is generally used for long-distance, trans-oceanic cable deployments. The repeaters and power feed equipment, as well as the additional armoring, make repeated cable far more expensive and costly to manufacture and purchase.
Provide dimensions / size / tolerances / performance specifications for the item	Specifics unknown. However, unrepeated fiber optic cable is smaller and contains less armoring and no powered components. Additionally, there is variance in the amount of armor and cladding depending on the application. For example, additional armoring may be used on unrepeated cable that is being deployed in a marine area with high boat and anchor traffic.
List required materials needed to make the product, including materials of product components	optic glass, High-density polyethylene (HDPE), steel cable, steel tubing, copper tubing.
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
Additional Technical Comments	

Section 4: Business Information

Estimated potential business volume	Unknown
Estimated target price / unit cost information (if unavailable explain)	Best available, as this is related to BABA, acceptable pricing is to be determined in negotiation.
When is it needed by?	Within the next 6 months, as grant recipients finalize subrecipient agreements and begin fiber deployments.
Describe packaging requirements	Best available. Delivered undamaged. Specifics discussed in negotiation.
Where will this item be shipped?	Primarily to Alaska, though may be used in deployments in the continental U.S.

Additional Comments

Is there other information you would like to include?	Repeated submarine fiber optic cable is produced by at least one company in the United States, SubCom. However, we have confirmed that SubCom does not produce unrepeaters submarine fiber optic cable. Known manufacturers of unrepeaters submarine cable include NSW (Prysmian Group) located in Germany, NEXANS (Norway). Hexatronic (Sweden) and OCC (Japan).
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