

Application Data Form

Nexus BB™
by Conductix-Wampfler



The following data form must be filled out in order for the system to be designed and perform properly.

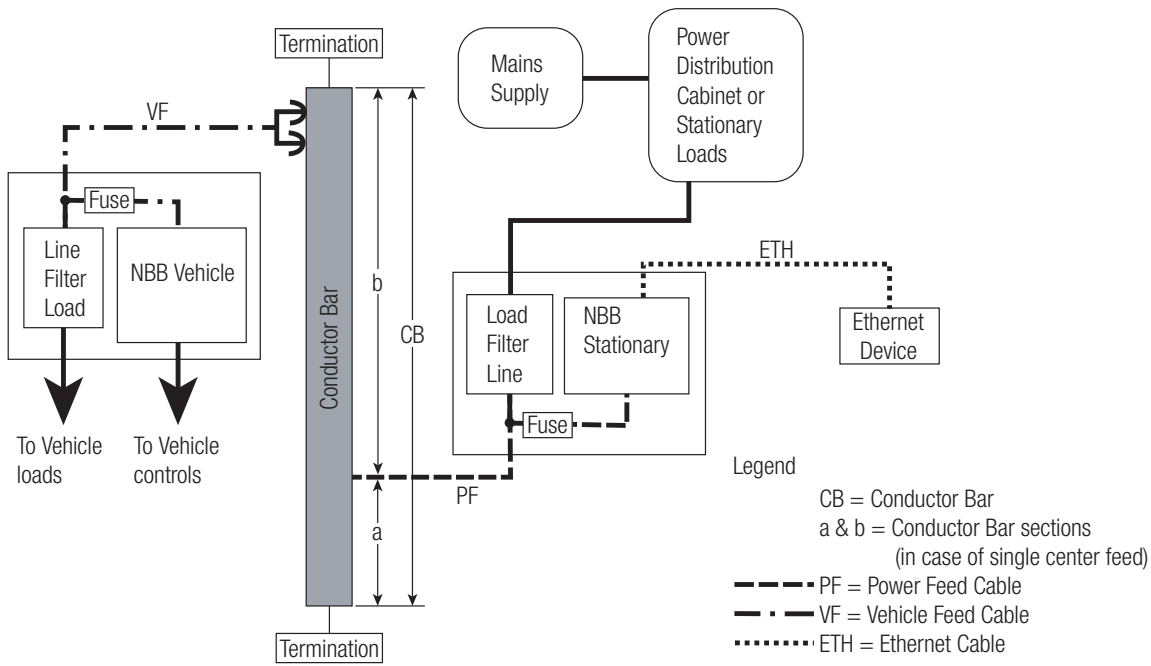
Application

Type of Application: Linear Closed Loop/Slip Ring Other: _____

Is the System Discontinuous? (e.g. cable jumpers/disconnects, maintenance zone, etc.) Yes No

If Yes, explain. _____

Conductor Bar System



Conductor Bar Part Number: _____ Manufacturer Name: _____

Total Conductor Bar Length: _____ Total Number of Conductors in System: _____

Power Feed Type: Center End Number of Feeds: _____

(For Center Feed Applications)

Conductor Bar (a) Length: _____ Conductor Bar (b) length: _____

Power Feed Cable Length: _____ Vehicle Cable Feed Length: _____

Ethernet Cable Length: _____

Number of vehicles: _____ Vehicle Amperage (each): _____

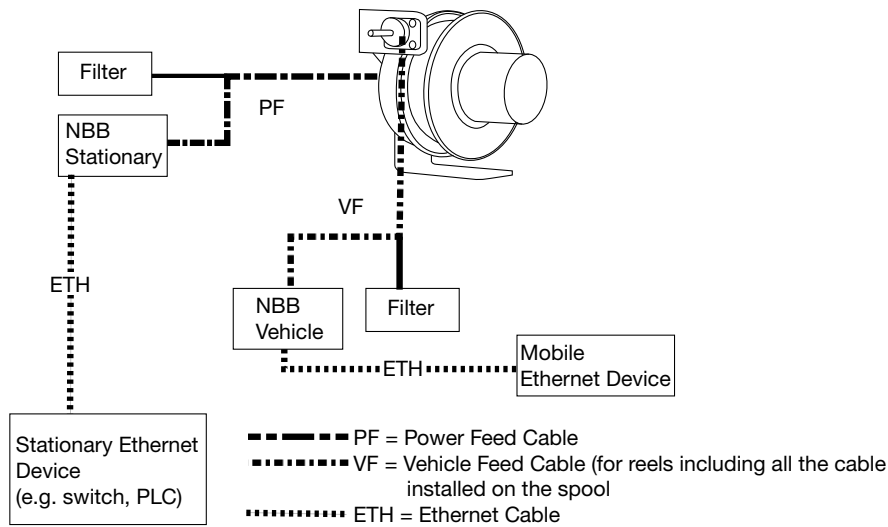
Vehicle Speed: _____ ft/min m/min

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Cable System



System Type: Slip Ring Cable Reel Festoon Other: _____

Powerline Cable: Length: _____ Conductor Size: _____ Conductor Count: _____

Adjacent ran motor driven cable (VFD)? Yes No

Vehicle Feed Cable Length: _____

Ethernet Cable Length: Stationary Side: _____

Nexus BB Operating Conditions

Modem Enclosure Location: Indoor Outdoor Both

Ambient Temperature Range: Minimum: _____ Maximum: _____ °F °C

Voltage: _____ Maximum amperage: _____ AC DC

AC Configuration: 1PH (L, N, G) 3PH (L1, L2, L3, G) 3PH (L1, L2, L3, N, G)
 Other (explain): _____

DC Configuration: is there a Continuous PE Ground? Yes No

If no, explain: _____

Stationary and vehicle powerline cable always powered? Yes No

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Nexus BB Installation Questions

Where is the stationary modem being installed in relation to the control cabinet?

Inside Master Control Cabinet Inside separate junction box Other: _____

Where is the mobile modem being installed on the vehicle?

Inside Vehicle Control Cabinet Inside separate junction box Other: _____

Nexus BB modem installed near high EMI sources? (e.g. motor-drives, etc.) Yes No

If yes, explain: _____

Communication

Protocol: Ethernet/IP ProfiNET TCP/IP Video VOIP EtherCAT Other: _____

Estimated data rate: _____ Mbps.

Are encoder signals sent over Nexus BB in the application? Yes No

Are synchronized motion control protocols required to pass through Nexus BB? (e.g., ProfiNET IRT, Sync CIP) Yes No

Required cycle time: _____ ms. *(Conductix-Wampfler supports cycle times of 64ms, with a minimum of 3 retries or greater.)*

Maximum Allowed: Latency: _____ ms. *(average is 3-5ms.)* Jitter: _____ ms. *(average is 20-30ms.)*

Are other Nexus BB systems installed in the facility? Yes No If yes, how many: _____

Explain: _____

Contact Information

Request Date

Company

Company Type

Sales Person

Contact

Title

Tel

Fax

E-mail