

DeviceNet* Brad® Mini-Change® Double-Ended Cordsets

130025

**Female Straight-to-Male Straight
Right Angle Female-to-Straight
Male
Right Angle Female-to-Right
Angle Male
Thick and Mid Media
Threaded**



Features and Benefits

- Phosphor-Bronze contacts for greatest reliability
- Variety of cable types, cable exit, coupling nut and length options for maximum system flexibility

Reference Information

UL File No.: E152210
CSA File No.: LR6837

Electrical

Voltage: 300V AC/DC
Max. Current per Contact: 4.0A
Thick Tray-Rated: Voltage—300V AC/DC
Thick Tray-Rated: Max. Current per Contact—8.0A

Mechanical

Connector Face: PVC-UL Std 94-V
Molded Body: PVC-UL Std 94-V
Coupling Nut: Zinc diecast with black epoxy coat
Optional stainless Steel or Nickel-coated

Physical

Connector Body: PVC
Cable Jacket: PVC
Cable Jacket Color: Gray
Connector End A: Mini-Change
Connector End B: Mini-Change
Contact: Brass with Gold plating
Copper with Gold over Nickel plating
Coupling Nut: Diecast Zinc
Keyway: Single
LED Indicator: No
Operating Temperature: -20 to +80° C

Environmental

Protection: IP67
NEMA Rating: NEMA 6

Cables

DNB—DeviceNet Mid (Trunk)

Rating: 300V, 80° C
Materials: Power—Gray PVC outer jacket, PVC inner insulation
Data—PE Foam inner insulation
Construction: Two shielded pairs, 20 AWG Tin-Copper drain wire between pair
UL: AWM—Style 1569
CSA: AWM—I/II A/B 300V FY1, 80° C

Cables (continued)

DN—DeviceNet Thick (Trunk)

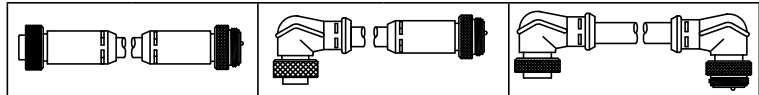
Rating: 300V, 80° C
Materials: Power—Gray PVC outer jacket, PVC with Nylon skin inner insulation
Data—PE Foam inner insulation
Construction: Two shielded pairs with 18 AWG (19x30 AWG) drain wire between pairs
UL: Type CL2, VL 1581 flame resistance
CSA: AWM I/II A/B 80° C 300V FT1

DNF—DeviceNet Thick Flex-Rated

Rating: 300V, 80° C
Materials: Power—TPE outer jacket, PVC with Nylon skin inner insulation
Data—PE Foam inner insulation
Flexure: Rolling flex > 1.4m cycles at 10x bend radius
Construction: Two shielded pairs, 18 AWG (19x30 AWG), drain wire between pair
UL: CL3; AWM 20626, UL 1581
CSA: AWM I/II A/B 80° C 300V FT1

DNE—DeviceNet Thick Tray-Rated

Rating: 600V UL type TC
Materials: Power—PVC outer jacket, PP inner insulation
Data—PVC with Nylon skin
Construction: Two shielded pairs, with one 18 AWG (19x30 AWG) Copper drain wire
UL: Type TC-ER
CSA: I/II A/B

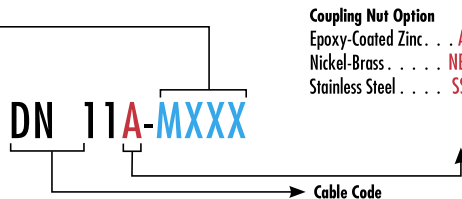


Poles (Female View)	Wire/ Cable Type	Cable Jacket	Wire Size AWG	Cable Diameter	Cable Length	Female Straight-to-Male Straight		Right Angle Female-to-Straight Male		Right Angle Female-to-Right Angle Male	
						Engineering No.	Standard Order No.	Engineering No.	Standard Order No.	Engineering No.	Standard Order No.
<p>1 - Drain 4 - CAN_H 2 - V+ 5 - CAN_L 3 - V-</p>	Mid Cable	PVC	16/20	8.38mm	1.0m	DNB11A-M010	130025-0233	DNB91A-M010	130025-0259	DNB99A-M010	130025-0267
	Thick (Trunk)	PVC	15/18	12.10mm	1.0m	DN11A-M010	130025-0054	DN91A-M010	130025-0173		
	Thick Flex-Rated	TPE, High-Flex	15/18	12.07mm	1.0m	DNF11A-M010	130025-0408	DNF91A-M010	130025-0468	DNF99A-M010	130025-0197
	Thick Tray-Rated	PVC	16/18	13.34mm	1.0m	DNE11A-M010	130025-0352			DNF99A-M010	130025-0482

Note: Sales drawings for all standard order numbers are available on molex.com
*DeviceNet is a trademark of Open DeviceNet Vendor Association (ODVA)

Configuration Code†
Build-a-Part Number

	Length	Code
Meters	2	M020
	5	M050
	10	M100



†Once an engineering number is created using the configuration code, consult Molex tech support for information regarding any part numbers.