



Micro Coupler Specification Sheet

Part #	Description (Straight Couplers)	Grip Color	Conduit OD	Pull Out Strength
BCA8.5MUC8.5	8.5 mm	Blue	8.36 – 8.62 mm	> 152 lbs
BCA10MUC10	10 mm	Red	9.86 – 10.19 mm	> 171 lbs
BCA12MUC12	12 mm	Black	11.86 – 12.17 mm	> 177 lbs
BCA12.7MUC12.7	12.7 mm	Gray	12.56 – 12.87 mm	> 185 lbs
BCA14MUC14	14 mm	Yellow	13.86 – 14.12 mm	>207 lbs.
BCA16MUC16	16 mm	Orange	15.86 – 16.10 mm	>196 lbs.
BCA18MUC18	18 mm	Green	17.86 – 18.13 mm	>220 lbs.
BCA22MUC22	22 mm	Pink	21.85 - 22.15 mm	> 160 lbs.
P2C-27MM	27 mm	Brown	26.7mm - 27.7mm	> 550 lbs.

MATERIALS

Body: Clear Polycarbonate

Gripper/End Cap: Acetal

O-Ring: Nitrile



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MICRO DUCT CONNECTOR

The connector was tested to a blowing pressure of 350 psi. Installing at this pressure or below will protect the inner cavity against significant debris such as mud or sand.

PERFORMANCE TESTS

The Connector shall withstand the following mechanical and environmental tests listed below:

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Tensile Test

The purpose of this test is to establish at what force will destroy the integrity of the coupler. We connected two pieces of conduit and fully inserted the coupler. We placed the assembly in a tensiometer and performed a destructive test at a rate of extension of 1"/minute. The coupler did not come off until it exceeded a force of greater than the results in the table above.

Leak Test

The connector was tested to 175 psi contained while being placed under water and will have a leak rate of less than 1 bubble every 4 seconds.

Burst Pressure Test

The connector was tested to an internal pressure of not less than 280 psi without sustained damage or permanent deformation, and shall remain connected to the conduit.

Pressurization

The connector was tested with an internal pressure of 175 psi for 4 hours without damage or permanent deformation and remained connected to the conduit.



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