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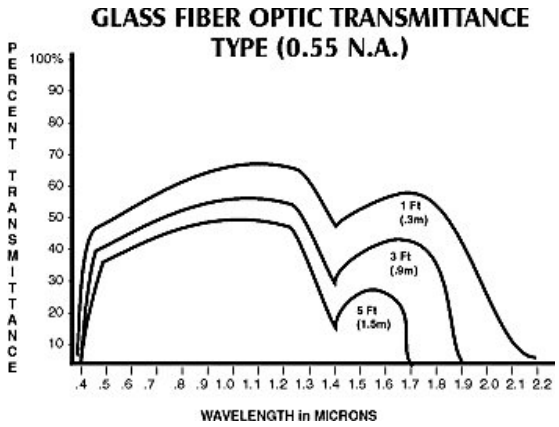
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B and BX Type (Glass) Fiber Optic Assemblies

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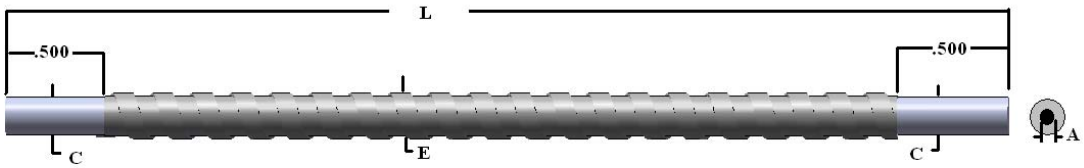


SPECIFICATIONS	
Individual Fiber Diameter	0.002” (0.051 mm) Typically .001”(.025 mm) available
Acceptance Cone	68.0°
Numerical Aperture	.55
Fiber Material	Core: Borosilicate Cladding: Borosilicate
Temperature capabilities	-40°F to 500°F (-40°C to 260°C)
Spectral Transmittance	400nm-2000nm (.40-2.0 microns)
Minimum Bend Radius	1 ½” for 1/8” and 1/16” bundle diameter / 3” for ¼” bundle diameter
Maximum Breakage	2%

B Type



BX Type



Model	Part Number	Fiber Bundle Diameter (A)	End Ferrule Diameter (C)	End Ferrule Shoulder Diameter (D)	Bundle Sheathing Diameter (E)	Temperature Rating	Total Overall Length (L)	Sheathing Material	Light Source Adapter 1.0” (25mm) “A” Input	Light Source Adapter .59” (15mm) “B” Input
B612 B618	002112003012 002112003018						12” (304.80 mm) 18” (457.20 mm) 24” (609.60 mm) 36” (914.40			

B624 B636 B648 B660 B672 B696 B6109 B6144 B6192	002112003024 002112003036 002112003048 002112003060 002112003072 002112003096 002112003109 002112003144 002112003192	.062” (1.59mm)	.187” (4.75mm)	.205” (5.21mm)	.190” (4.83mm)	-40°F to 225° F (-40°C to107° C)	mm) 48” (1219.2 mm) 60” (1524.0 mm) 72” (1828.8 mm) 96” (2438.4 mm) 109” (2768 mm) 144” (3658 mm) 192” (4877 mm)	PVC Monocoil	SX-5 Adapter	SX-5B Adapter
B624M B636M B648M B672M	700009680024 700009680036 700009680048 700009680072	.062” (1.59mm)	.588” (14.94mm)	.205” (5.21mm)	.190” (4.83mm)	-40°F to 225° F (-40°C to107° C)	24” (609.60 mm) 36” (914.40 mm) 48” (1219.2 mm) 72” (1828.8 mm)	PVC Monocoil	SX-13 Adapter	Direct Fit
BX612 BX618 BX624 BX630 BX636 BX648 BX660 BX672 BX696 BX6240 BX6252	002114006012 002114006018 002114006024 002114006030 002114006036 002114006048 002114006060 002114006072 002114006096 002114006240 002114006252	.062” (1.59mm)	.187” (4.75mm)	-	.203” (5.16mm)	-40°F to 500° F (-40°C to 260°C)	12” (304.80 mm) 18” (457.20 mm) 24” (609.60 mm) 30” (762.00 mm) 36” (914.40 mm) 48” (1219.2 mm) 60” (1524.0 mm) 72” (1828.8 mm) 96” (2438.4 mm) 240” (6096 mm) 252” (6401 mm)	Stainless Steel	SX-5 Adapter	SX-5B Adapter
B806 B807 B812 B814 B815 B816 B817 B818 B824 B830 B836 B840 B848 B856 B860 B872 B879 B884 B890 B896	002112005006 002112005007 002112005012 002112005014 002112005015 002112005016 002112005017 002112005018 002112005024 002112005030 002112005036 002112005040 002112005048 002112005056 002112005060 002112005072 002112005079 002112005084 002112005090 002112005096	.125 (3.18mm)	.187” (4.75mm)	.250” (6.35mm)	.230” (5.84mm)	-40°F to 225° F (-40°C to107° C)	06” (152.40 mm) 07” (177.80 mm) 12” (304.80 mm) 14” (355.60 mm) 15” (381.00 mm) 16” (406.40 mm) 17” (431.80 mm) 18” (457.20 mm) 24” (609.60 mm) 30” (762.00 mm) 36” (914.40 mm) 40” (1016.0 mm) 48” (1219.2 mm) 56” (1422.4 mm) 60” (1524.0 mm) 72” (1828.8 mm) 79” (2006.6 mm) 84” (2133.6 mm) 90” (2286.0	PVC Monocoil	SX-5 Adapter	SX-5B Adapter

B8100 B8108 B8120 B8144 B8156 B8168 B8180 B8192 B8197 B8204 B8210 B8240 B8276 B8300	002112005100 002112005108 002112005120 002112005144 002112005156 002112005168 002112005180 002112005192 002112005197 002112005204 002112005210 002112005240 002112005276 002112005300						mm) 96” (2438.4 mm) 100” (2540 mm) 108” (2743 mm) 120” (3048 mm) 144” (3657 mm) 156” (3962 mm) 168” (4267 mm) 180” (4572 mm) 192” (4876 mm) 197” (5003 mm) 204” (5182 mm) 210” (5334 mm) 240” (6096 mm) 276” (7010 mm) 300” (7620 mm)			
B812M B824M B836M B848M B860M B872M B896M B8120M B8144M	002112520012 002112520024 002112520036 002112520048 002112520060 002112520072 002112520096 002112520120 002112520144	.125 (3.18mm)	.588” (14.94mm)	.250” (6.35mm)	.230” (5.84mm)	-40°F to 225° F (-40°C to107° C)	12” (304.80 mm) 24” (609.60 mm) 36” (914.40 mm) 48” (1219.2 mm) 60” (1524.0 mm) 72” (1828.8 mm) 96” (2438.4 mm) 120” (3048 mm) 144” (3657 mm)	PVC Monocoil	SX-13 Adapter	Direct Fit
BX809 BX812 BX817 BX818 BX824 BX830 BX836 BX848 BX860 BX872 BX884 BX896 BX8108 BX8120 BX8144 BX8156 BX8180 BX8240 BX8276 BX8360	002114008009 002114008012 002114008017 002114008018 002114008024 002114008030 002114008036 002114008048 002114008060 002114008072 002114008084 002114008096 002114008108 002114008120 002114008144 002114008159 002114008180 002114008240 002114008276 002114008360	.125 (3.18mm)	.187” (4.75mm)	-	.240” (6.10mm)	-40°F to 500° F (-40°C to 260°C)	09” (228.6 mm) 12” (304.80 mm) 17” (431.80 mm) 18” (457.20 mm) 24” (609.60 mm) 30” (762.00 mm) 36” (914.40 mm) 48” (1219.2 mm) 60” (1524.0 mm) 72” (1828.8 mm) 84” (2133.6 mm) 96” (2438.4 mm) 108” (2743 mm) 120” (3048 mm) 144” (3657 mm) 156” (3962 mm) 180” (4572	Stainless Steel	SX-5 Adapter	SX-5B Adapter

							mm) 240” (6096 mm) 276” (7010 mm) 360” (9144 mm)			
BX824M BX836M BX848M	002114430024 002114430036 002114430048	.125 (3.18mm)	.588” (14.94mm)	-	.240” (6.10mm)	-40°F to 500° F (-40°C to 260°C)	24” (609.60 mm) 36” (914.40 mm) 48” (1219.2 mm)	Stainless Steel	SX-13 Adapter	Direct Fit
B410 B412 B414 B415 B416 B418 B424 B428 B430 B432 B436 B440 B444 B448 B452 B456 B460 B472 B483 B484 B496 B4100 B4108 B4120 B4132 B4135 B4138 B4144 B4162 B4168 B4180 B4192 B4198 B4216 B4240 B4252 B4288	002112007010 002112007012 002112007014 002112007015 002112007016 002112007018 002112007024 002112007028 002112007030 002112007032 002112007036 002112007040 002112007044 002112007048 002112007052 002112007056 002112007060 002112007072 002112007083 002112007084 002112007096 002112007100 002112007108 002112007120 002112007132 002112007135 002112007138 002112007144 002112007162 002112007168 002112007180 002112007192 002112007198 002112007216 002112007240 002112007252 002112007288	.250 (6.35mm)	.312” (7.92mm)	.442 (11.23mm)	.400” (10.16mm)	-40°F to 225° F (-40°C to107° C)	10” (254.00 mm) 12” (304.80 mm) 14” (355.60 mm) 15” (381.00 mm) 16” (406.40 mm) 18” (457.20 mm) 24” (609.60 mm) 28” (711.20 mm) 30” (762.00 mm) 32” (812.80 mm) 36” (914.40 mm) 40” (1016.0 mm) 44” (1117.6 mm) 48” (1219.2 mm) 52” (1320.8 mm) 56” (1422.4 mm) 60” (1524.0 mm) 72” (1828.8 mm) 83” (2108.2 mm) 84” (2133.6 mm) 96” (2438.4 mm) 100” (2540 mm) 108” (2743 mm) 120” (3048 mm) 132” (3353 mm) 135” (3429 mm) 138” (3505 mm) 144” (3657 mm) 162” (4115 mm) 168” (4267 mm) 180” (4572 mm) 192” (4876 mm) 198” (5029 mm) 216”(5486 mm) 240” (6096	PVC Monocoil	SX-6 Adapter	SX-6B Adapter

							mm) 252” (6401 mm) 288” (7315 mm)			
B418M B424M B430M B436M B448M B460M B472M B484M B487M B496M B4120M B4144M B4162M B4240M B4360M	002112424018 002112424024 002112424030 002112424036 002112424048 002112424060 002112424072 002112424084 002112424087 002112424096 002112424120 002112424144 002112424162 002112424240 002112424360	.250 (6.35mm)	.588” (14.94mm)	.442 (11.23mm)	.400” (10.16mm)	-40°F to 225° F (-40°C to107° C)	18” (457.20 mm) 24” (609.60 mm) 30” (762.00 mm) 36” (914.40 mm) 48” (1219.2 mm) 60” (1524.0 mm) 72” (1828.8 mm) 84” (2133.6 mm) 87” (2210.0 mm) 96” (2438.4 mm) 120” (3048 mm) 144” (3657 mm) 162” (4115 mm) 240” (6096 mm) 360” (9061 mm)	PVC Monocoil	SX-13 Adapter	Direct Fit
BX409 BX420 BX424 BX436 BX448 BX460 BX472 BX484 BX496 BX4120 BX4124 BX4144 BX4180 BX4240 BX4300	002114004009 002114004020 002114004024 002114004036 002114004048 002114004060 002114004072 002114004084 002114004096 002114004120 002114004124 002114004144 002114004180 002114004240 002114004300	.250” (6.35mm)	.312” (7.92mm)	-	.410” (10.41mm)	-40°F to 500° F (-40°C to 260°C)	09” (228.60 mm) 20” (508.00 mm) 24” (609.60 mm) 36” (914.40 mm) 48” (1219.2 mm) 60” (1524.0 mm) 72” (1828.8 mm) 84” (2133.6 mm) 96” (2438.4 mm) 120” (3048 mm) 124” (3150 mm) 144” (3657 mm) 180” (4572 mm) 240” (6096 mm) 300” (7620 mm)	Stainless Steel	SX-6 Adapter	SX-6B Adapter
BX418M BX424M BX436M BX448M BX472M BX480M BX4120M BX4240M BX4360M	002114404018 002114404024 002114404036 002114404048 002114404072 002114404080 002114404120 002114404240 002114404360	.250” (6.35mm)	.588” (14.94mm)	-	.410” (10.41mm)	-40°F to 500° F (-40°C to 260°C)	18” (457.20 mm) 24” (609.60 mm) 36” (914.40 mm) 48” (1219.2 mm) 72” (1828.8 mm) 80” (2032.0 mm) 120” (3048 mm) 240” (6096 mm) 360” (9061	Stainless Steel	SX-13 Adapter	Direct Fit

							mm)			
B218 B224 B236 B248 B2120 B2180	002112082018 002112082024 002112082036 002112082048 002112082120 002112082180	.500” (1.59mm)	.562” (14.27mm)	.875” (22.23mm)	.750” (19.05mm)	-40°F to 225° F (-40°C to107° C)	12” (304.80 mm) 24” (609.60 mm) 36” (914.40 mm) 48” (1219.2 mm) 120” (3048 mm) 180” (4572 mm)	PVC Monocoil	SX-10 Adapter	Not Applicable

Note: All Fiber optic assemblies available in custom length and size variations. If assembly does not suit your needs contact Dolan-Jenner Ind. knowledgeable staff toll free at **1-800-83-FIBER** for assistance.

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