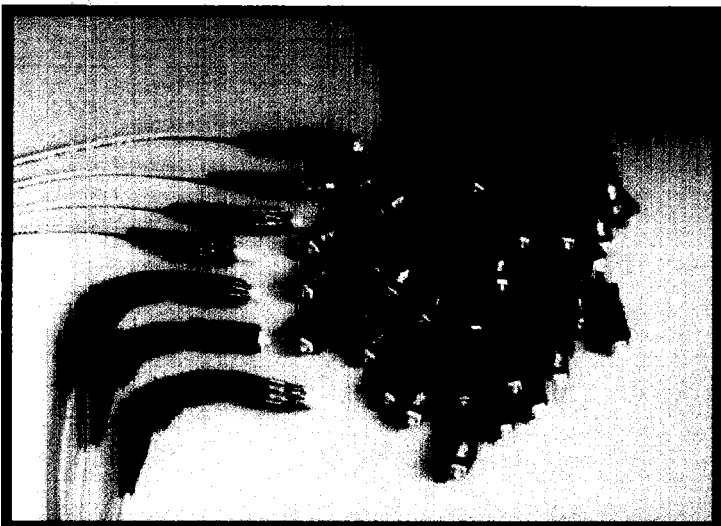


# Amphenol®

## 942 Series Single Mode Cable Assemblies



### Applications

- ◆ Telco, Central Office and Local Loop
- ◆ CATV Head-End/Systems
- ◆ Customer Premise
- ◆ Data Communication

### Features

- Single mode cable assemblies are available in super, ultra and angle polish configurations to meet all fiber optic cable assembly requirements.
- All assemblies are equipped with Amphenol 953 Series ST, 954 Series SC or 944 Series FC connectors. Biconic and D4 assemblies are also available.
- All assemblies are 100% optically tested for insertion loss and return loss. They are also individually packaged.
- High accuracy convex spherical polishing techniques are used to produce ultra polish terminations with a back reflection of -55 dB or better.
- Custom engineered cable assemblies are available. Consult the factory with your application requirements for more details.

### Specifications

Termination Type	Connector Loss		Return Loss		Operating Temperature
	Typical	Maximum	Typical	Maximum	
Super FC, SC, ST and D4	0.20 dB	0.50 dB	-49 dB	-45 dB	-40°C to 85°C
Ultra FC, SC, ST and D4	0.13 dB	0.30 dB*	-60 dB	-55 dB	-40°C to 85°C
Angle FC, SC and ST	0.25 dB	0.50 dB	-68 dB	-65 dB	-40°C to 85°C
Biconic	0.60 dB	1.0 dB	-25 dB	N/A	-40°C to 80°C

\*0.50 dB maximum for D4 terminations.

Order Information

942	X	X	X	XX	X	X	X	X	X
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<p><b>Cable Type</b></p> <p>3 = 3 mm OFNR                      5 = 900 μm Jacketed                      9 = 900 μm Buffered Fiber</p> <p><b>Assembly Type</b></p> <p>0 = Pigtail                      1 = Jumper                      2 = Duplex Jumper                      3 = Duplex Connector Pigtail (SC only)                      4 = Duplex Connector Jumper (SC only)</p> <p><b>Polish Type</b></p> <p>0 = Super Polish (use with connector types 1, 4, 7, 8 and 9)                      4 = 8° Angle Polish (use with connector types 2, 5 and 6)                      5 = Ultra Polish (use with connector types 1, 2, 3, 5 and 6)</p> <p><b>Connector Type</b></p> <table style="width: 100%;"> <tr> <td>1 = Biconic</td> <td>6 = SC</td> </tr> <tr> <td>2 = FC</td> <td>7 = Super ST</td> </tr> <tr> <td>3 = D4</td> <td>8 = Super SC</td> </tr> <tr> <td>4 = Super D4</td> <td>9 = Super FC</td> </tr> <tr> <td>5 = ST</td> <td></td> </tr> </table> <p><b>Boot Type</b></p> <p>1 = Standard                      2 = Right Angle Side A*                      3 = Right Angle Side B*                      4 = Right Angle Side A &amp; B*</p> <p>* Available on 3 mm cable only</p>	1 = Biconic	6 = SC	2 = FC	7 = Super ST	3 = D4	8 = Super SC	4 = Super D4	9 = Super FC	5 = ST		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; border: 1px solid black;">A</td> <td style="width: 50%; text-align: center; border: 1px solid black;">B</td> </tr> </table> <p style="text-align: center;"><b>Cable Length in Meters</b></p> <p style="text-align: center;">0010 = 10 Meters</p>	A	B
1 = Biconic	6 = SC												
2 = FC	7 = Super ST												
3 = D4	8 = Super SC												
4 = Super D4	9 = Super FC												
5 = ST													
A	B												

Note for pigtails: Both digits are identical (66 = SC pigtail).  
 Note for jumpers: Use combination starting with the lowest number (18 = biconic to super SC).

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