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Patch Cords

Gould cable assemblies feature quality parts and guaranteed performance specifications.

- Specifications are per mated pair at both 1310nm and 1550nm.

Connector Insertion/Return Loss Specifications for Singlemode Fiber

End Number	Connector	Insertion Loss	Typical Return Loss
2 =	ST	< 0.50dB	>50dB
3 =	FC	< 0.35dB	>50dB
4 =	SC	< 0.35dB	>50dB
5 =	LC	< 0.35dB	>40dB
6 =	FC/APC	< 0.35dB	>60dB
7 =	SC/APC	< 0.35dB	>60dB


DATA SHEET - Patch Cords

ORDERING INFORMATION

Product Number

6 - - - - - 1

Patchcord Type
2= singlemode
4= multimode

Testing Requirements
0= Insertion Loss testing data only
1= Insertion Loss and Return Loss testing data
2= Insertion Loss and Endface Geometry data
3= Insertion Loss, Return Loss and Endface Geometry data

Fiber Type
03=Corning SMF-28, 100 Kpsi proof test on fiber
06= Corning Flexcore (5/125)
11= 50/125 Graded Index (Corning)
12= 62.5/125 Graded Index (Corning)
22= 200/230/500, 0.37NA SI MM HCS (Lucent)
23= 200/230/500, 0.48NA SI MM HCS (Lucent)
25= 100/140/250 Step Index (Lucent)
27= Corning Flexcore (7/125)
32= Corning SMF-28, 200 Kpsi proof test on fiber
54= Corning Flexcore (7/125), 200 Kpsi proof test on fiber

Connector End A
2= ST/UPC
3= FC/UPC
4= SC/UPC
5= LC/UPC
6= FC/APC
7= SC/APC
A= LC/APC
B= MU/UPC
C= MU/APC

Connector End B
0= Pigtail Assembly
2= ST/UPC
3= FC/UPC
4= SC/UPC
5= LC/UPC
6= FC/APC
7= SC/APC
A= LC/APC
B= MU/UPC
C= MU/APC

Length in meters xx.xx
i.e., 3 meters=0300

Buffer Type
10= No buffering (not recommended!)
11= 900 micron, white, PVDF (Temp. rating -40 to +85 °C, UL 94V-0 Rated)
12= 900 micron, orange, PVDF (Temp. rating -40 to +85 °C, UL 94V-0 Rated)
13= 900 micron, blue, PVDF (Temp. rating -40 to +85 °C, UL 94V-0 Rated)
15= 900 micron, green, PVDF (Temp. rating -40 to +85 °C, UL 94V-0 Rated)
19= 900 micron, yellow, PVDF (Temp. rating -40 to +85 °C, UL 94V-0 Rated)
21= 900 micron, white, hytrel (Temp. rating -20 to +70 °C, UL 94V-HM Rated)
22= 900 micron, orange, hytrel (Temp. rating -20 to +70 °C, UL 94V-HM Rated)
23= 900 micron, blue, hytrel (Temp. rating -20 to +70 °C, UL 94V-HM Rated)
24= 900 micron, red, hytrel (Temp. rating -20 to +70 °C, UL 94V-HM Rated)
25= 900 micron, green, hytrel (Temp. rating -20 to +70 °C, UL 94V-HM Rated)
26= 900 micron, black, hytrel (Temp. rating -20 to +70 °C, UL 94V-HM Rated)
27= 900 micron, brown, hytrel (Temp. rating -20 to +70 °C, UL 94V-HM Rated)
28= 900 micron, gray/slate, hytrel (Temp. rating -20 to +70 °C, UL 94V-HM Rated)
29= 900 micron, yellow, hytrel (Temp. rating -20 to +70 °C, UL 94V-HM Rated)
31= 2.9 mm x 0.4mm, Kevlar Reinforced Tubing, yellow
32= 2.9 mm x 0.4 mm, Kevlar Reinforced Tubing, orange
33= 2.9 mm x 0.9 mm, Kevlar Reinforced Tubing, orange
34= 2.9 mm x 0.45 mm, Kevlar Reinforced Tubing, black

NOTES:

1. Regarding Multimode cable assemblies, Insertion Loss tested with broadband light source under fully filled launch conditions. This is the only launch condition under which Gould Fiber Optics will guarantee performance for Insertion Loss.
2. For large core (>62.5 micron) fiber, Insertion Loss is the only option for testing for standard product.
3. Connector options A, B, and C are available for singlemode applications only as standard practice. For “large core” multimode fiber, only connector option 2 is available.
4. For large core multimode fiber (fiber codes 22, 23, and 25) the standard buffering option is 33.

Standard length tolerance is +/- 5 cm on lengths below 20 meters, and +/- 10 cm for lengths above 20 meters. Contact your sales representative for different options.

Patchcord Part Number Example:

If you want to order a 3.5 meter patchcord with an SC/APC connector on one end and FC/APC on the other, Corning 200 Kpsi SMF-28 fiber buffered with 900 micron Black hytel, and you require IL, RL and endface geometry data, you would order part number 62-33226-67-03501.

For custom options and additional information, please contact us at:

Phone: 1-410-987-5600

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