APPLICATION

A range of pigtails manufactured using Brand-Rex cables and connectors providing a cost-effective termination of guaranteed quality.

The use of Brand-Rex connectors and cables in the manufacture of these assemblies guarantees the highest levels of long term mechanical and optical performance.

FEATURES

- Based on Tight Buffered Core
- All major connector types
- All major fibre types
- Colour coded for easy identification

PART NUMBER BREAK DOWN

**HOTAABBBCDE**

Group: HOT=Pigtail

End Connector Type: SC = SC
               UC = SC UPC
               AC = SC APC
               LC = LC
               UL = LC UPC
               AL = LC APC
               FC = FC
               AF
               ST = ST
               UT = ST UPC

Fibre type: 062=62.5µ Multimode
            050=50µ Multimode
            OM3=50µ Multimode
            OM4=50µ Multimode
            008=MF D 9.3µ Singlemode
            Other fibre types available on request

Cable type: 0=900µm
             1=2.8mm
             2=2.0mm Micro Tube
             3= 900µm Micro Tube
             5=600 µm

Cable colour: 0=No Sheath
              6=Yellow
              8=Grey
              9=Orange

Length (STD): 1=1m
              2=2m
              3=3m
              Other lengths available on request
Optical Pigtails

Datasheet: GD015465

ORDER INFO

<table>
<thead>
<tr>
<th>Connector type</th>
<th>OM1</th>
<th>OM2</th>
<th>OM3</th>
<th>OM4</th>
<th>OS1/OS2</th>
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<tbody>
<tr>
<td>FC - 1m</td>
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<td>HOTFC050001</td>
<td>HOTFC03001</td>
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</tr>
</tbody>
</table>

Note: Other connector types and options available

OPTICAL PERFORMANCE

- Insertion loss: (mm) Max. 0.5dB Typical 0.2dB
  (sm) Max. 0.3dB Typical 0.1dB
- Return loss: (mm) Max. -20dB
  (sm) Max. -45dB (PC), -55dB (UPC), -65dB (APC)

MECHANICAL

- Length (ferrule tip – fibre end): 1m & 2m as standard
- Overall length tolerance: -0/+0.01m
- Buffer colour (900µm): 62.5/125 Blue
  50/125 Green
  Singlemode Yellow
  OM3 Grey
  OM4 Red

ENVIRONMENTAL CONDITIONS

- Operating temperature: -10 to 70°C
- Temperature cycling: -25 to +70°C, 40 cycles ≤0.2dB Change
- High temperature: 70°C for 96 hours ≤0.2dB Change
- Damp heat: 60°C at 95% RH, 96 hours ≤0.2dB Change
- Vibration (mated pair): 10-55 Hz, 1.5mm P to P ≤0.3dB Change
- Mating durability: 1000 mating cycles, standard connectors, clean every 25 < 0.2 dB Change

PRODUCT PACKAGING

- Each pigtail is individually packed and labelled for ease of identification.

PRODUCT CERTIFICATION

- Each pigtail is identified with a batch reference ID label and is supplied with an individual test certification

“Brand-Rex is dedicated to designing, developing and manufacturing sustainable high performance structured cabling and speciality cabling solutions”

The information contained in this document is valid and correct at the time of issue. Brand-Rex reserves the right to modify details without notice in light of subsequent standard/specification changes and ongoing technical developments.