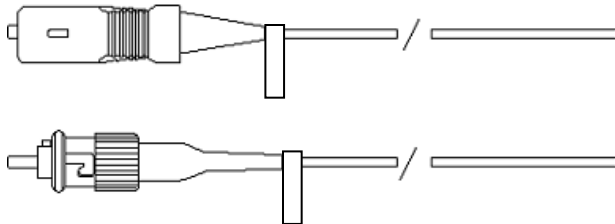


## Optical BlolitePigtails



### 40-1107-03

COLOUR	03 - WHITE 05 - BLACK 06 - BLUE 07 - ORANGE 08 - GREEN 09 - RED 10 - GREY 11 - YELLOW 12 - BROWN 13 - VIOLET 14 - PINK 16 - TURQUOISE
CONNECTOR TYPE	01 - ST 07 - SC 08 - FC 10 - LC
FIBRE TYPE	11 - 50/125um MULTIMODE 21 - 62.5/125um MULTIMODE 31 - SINGLEMODE 41 - 50/125um OM3 42 - 50/125um Enhanced OM3
PART TYPE	40 - BLOLITE PIGTAIL

### Description

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 500um buffered fibre in the manufacture of these assemblies guarantees the highest levels of long term mechanical and optical performance

### Mechanical

Length (ferrule tip – cable end): 1m Standard  
(Other lengths are available)  
Overall length tolerance -0/+0.01m

### Environmental

Temperature Cycling: -25 to +70°C, 40 cycles  
(IEC 874-1 sec.4.5.22) ≤ 0.2dB Change  
High Temperature: 70°C for 96 hours  
(IEC 874-1 sec.4.5.18) ≤ 0.2dB Change  
Damp Heat: 60°C at 95% RH, 96 hours  
(IEC 874-1 sec.4.5.19) ≤ 0.2dB Change  
Vibration (Mated Pair): 10-55 Hz, 1.5mm P to P  
(IEC 874-1 sec.4.5.1) ≤ 0.3dB Change  
Mating Durability: 1000 mating cycles  
(IEC 874-1 sec.4.5.32) Clean every 25  
< 0.2 dB Change

### Optical Performance

Insertion loss (mm): Max. 0.5 dB\* Typical 0.3 dB  
(sm): Max. 0.3 dB\* Typical 0.1 dB

Return loss (mm) : Max. -20 dB  
(sm) : Max. -45 dB

### Operating Temperature

-10°C to 70°C

### Product Packaging

Each patchcord is individually packed and labelled for ease of identification.

### Product Certification

Each Pigtail is identified with the ID batch reference and is supplied individual Test certification

Datasheet No. G14150			© Brand-Rex Limited	Additional Details		
Rev	Date	Initial	Amendment			
5	22/02/05	JMW	Pg 2 removed Part no breakdown added			
6	15/03/05	JMW	Return loss Added, Part no Table amended			Action
7	28/11/05	JMW	Fibre type amended to 500um & part no amended			Name
				Issued By	Craig Gowans	Date
				Reviewed By	J M Walinck	28/9/99
						28/11/05

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