

# Breakout Series Pre-Terminated Fibre Optic Cable

## Application

- This specification covers the general requirements for Breakout Series Fibre Optic Cable

## Cable Description

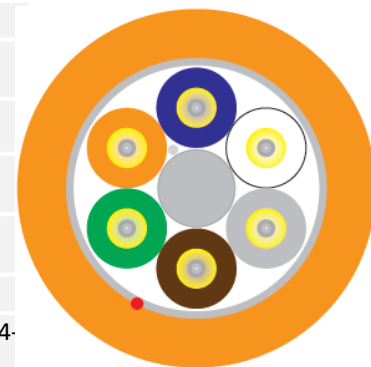
- Breakout series cable is ideal for installations requiring an extremely rugged and reliable cable design where maximum mechanical and environmental protection are necessary.
- Breakout series cable is one of the simplest cables to install where direct termination of connectors to sub-units and direct run to panels and equipment is desired.
- Our breakout series cable is available with a low smoke, zero halogen construction jacket in 9/125, 50/125 and 62.5/125um fibre.

## Features and Benefits

- High performance components and construction with excellent mechanical characteristics
- Applicable Connectors SC, SCA, LC, LCA, ST, FC, FCA, MU<sup>a</sup>
- Rugged outer jacket design offer excellent protection of cable
- Ideal for use in long, vertical installations
- 2.0 mm subcables can be direct-terminated with standard connectors
- Subcabled fibre is environmentally and mechanically protected with colour coded jackets
- Direct termination to subcable provides additional strain relief for better connector retention during moves, adds, and changes
- Wide operating temperature range of -20°C to +70°C
- 2 to 12 fibres

## Technical Specifications

<b>Operating Temperature</b>	-20 to +70
<b>Storage Temperature</b>	-20 to +70
<b>Install Temperature</b>	-10 to +60
<b>Impact Resistance</b>	1500
<b>Crush Test</b>	1000
<b>Flex Resistance</b>	2,000
<b>Applicable Test Standards</b>	IEC 794-1-E1, IEC 794-1-E3, IEC 794-1-E4, IEC 794-1-E7, IEC 794-1-F1



## Cable Characteristics 2.0mm subcables

Fibre Count	Diameter (mm)	Weight (kg/ km)	Maximum tensile load (N)	Min. bend radius installation (cm)	Min. bend radius long term (cm)
2	6.0	50	660	9.0	6.0
4	7.0	70	660	10.5	7.0
6	8.5	90	3000	12.75	8.5
8	10.0	120	3000	15.0	10.0
12	13.0	150	3000	19.5	13.0

**Please contact atg for more detail and delivery times**