

Breakout Series Fibre Optic Cable



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.

OSA breakout series cable is available with a low smoke, zero halogen construction jacket in 9/125, 50/125 and 62.5/125 um fibre.

KEY FEATURES

- High performance components and construction with excellent mechanical characteristics
- Rugged outer jacket design offers 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

Applications

- Suitable for indoor/outdoor confined spaces
- Building risers
- Cable trays
- Central offices
- Infrastructure and industrial networks
- Underground subway stations and tunnels

Technical Specifications

Operating temp. (°C)	-20 to +70	A circular cross-section diagram of the breakout series fibre optic cable. It shows a central core surrounded by several concentric rings of different colors (blue, green, yellow, red, etc.), representing the individual sub-cables. The entire assembly is enclosed within a larger orange circle, representing the outer jacket.
Storage temp. (°C)	-20 to +70	
Install temp. (°C)	-10 to +60	
Impact resistance (imp.)	1500	
Crush test (N/cm)	1000	
Flex resistance (cyc.)	2,000	
Applicable test standards	IEC 794-1-E1, IEC 794-1-E3, IEC 794-1-E4, IEC 794-1-E7, IEC 794-1-F1	

Cable Characteristics 2.0mm 12 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

NSW - Silverwater
Unit 4, 52 Holker Street
Silverwater NSW 2128
E: sales@opticalsolutions.com.au
P: +61 2 9395 1400
F: +61 2 9647 0014

NSW - Sydney City
Unit 10, 10 Bradford Street
Alexandria NSW 2015
E: sydcity@opticalsolutions.com.au
P: +61 2 9304 4555
F: +61 2 9700 8055

VIC
Unit 3 / 1 Rocklea Drive
Port Melbourne VIC 3207
E: vic-sales@opticalsolutions.com.au
P: +61 3 9646 4166
F: +61 3 9646 4155

QLD
Unit 2/ 40 Borthwick Ave
Murarrie QLD 4172
E: qlds-sales@opticalsolutions.com.au
P: +61 7 3399 5280
F: +61 7 3399 9805

ACT
22 Isa Street
Fyshwick ACT 2609
E: act-sales@opticalsolutions.com.au
P: +61 2 6162 4600
F: +61 2 6162 4605

WA
28a Teddington Rd
Burswood WA 6100
E: was-sales@opticalsolutions.com.au
P: +61 8 9361 7000
F: +61 8 9361 7011