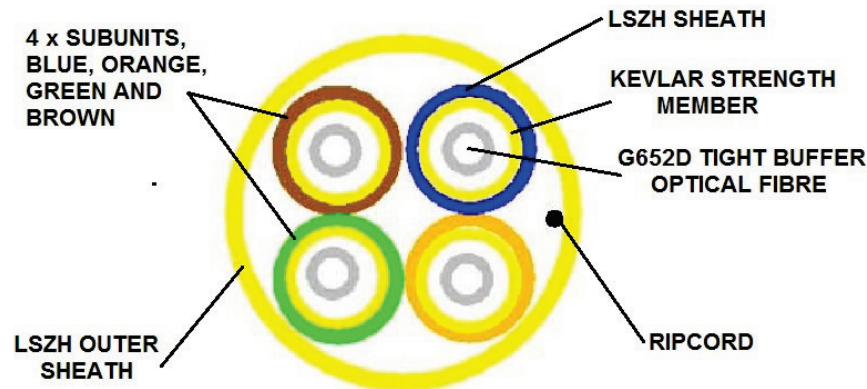


Part Number: **112x156**
Description: **BREAKOUT CABLE, 4 FIBRES,
INTERNAL TYPE, LSZH SHEATH**

Document name: **PG112x156**
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Use / Application:

This 4 fibre Break-Out Cable is used in Premises, Exchanges or CO's to provide a connection for optical fibre transmission systems. It consists of 4 x Ø2.0 mm dia tight buffered fibre cords with: a 900µm core; Kevlar strength yarn and a LSZH (FR) sheath. The cords are coloured: blue, orange, green and brown. The single mode fibre used is G652D type.

Fibre Details:

- Fibre Type G652D tight buffer
- Mode field diameter at 1310nm: 8.9 - 9.5µm
- Cladding Diameter: 125 ± 0.7µm
- Protective Coating (primary) diameter: 245 ± 7µm
- Fibre Attenuation: ≤ 0.36dB/km @ 1310nm and ≤ 0.22dB/km @ 1550nm
- Tight buffer material: LSZH
- Tight Buffer diameter: Ø0.9 ± 0.05mm

Cable Properties:

- Flame Retardance: IEC60332-1
- Aramid yarn strength members
- 2mm subunit OD: Ø2.0 ± 0.1mm
- 2mm subunit thickness: 0.35 ± 0.05mm
- Cable core is over-lap covered by non-woven fabric tape
- 2mm subunit and main cable sheath is LSZH
- Main cable OD: Ø7.3 ± 0.3mm
- Main cable Sheath Thickness: 1.0 ± 0.1mm
- Cable MBR @ no load = 10 x "D" (cable diameter)
- Cable MBR @ full load = 20 x "D" (cable diameter)
- Cable Weight: 80 kg/km
- With 1 x ripcord
- Length printed in metres

Colour:

- Tight Buffer colour: natural
- Subunit colour: blue; orange; green and brown
- Sheath colour: yellow (RAL-1021)

Physical and Environmental Characteristics:

- Cable Attenuation: $\leq 0.4\text{dB/km}$ @ 1310nm and $\leq 0.3\text{dB/km}$ @ 1550nm
- Sheath Tensile before aging: $\geq 10.0\text{ MPa}$
- Sheath Breaking Elongation before aging: $\geq 110\%$

- 2mm subunit Max. Tensile short term: 100N
- 2mm subunit Max. Tensile long term: 60N
- 2mm subunit Max. Crush short term: 400N
- 2mm subunit Max. Crush long term: 100N
- 2mm subunit Min. Bending Radius: @ Full Load = $20 \times "d"$ (cord diameter)
- 2mm subunit, Min Bending Radius @ No Load = $10 \times "d"$ (cord diameter)

Main Cable

- Max. Tensile short term: 600N
- Max. Tensile long term: 200N
- Max. Crush short term: 1000N
- Max. Crush long term: 500N
- Cable Min Bending Radius @ No Load = $10 \times "D"$ (cable diameter)
- Cable Min. Bending Radius @ Full Load = $20 \times "D"$ (cable diameter)
- Impact: 1Nm

- RoHS
- Working temperature: -40°C to $+70^{\circ}\text{C}$

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