

DUAL BRANCH UNIT SERIES

- Voice, Data, Video Complete
- Internal isolation jumpers
- Terminal and Saddle connections
- Intrinsic Safe version
- IP66/NEMA4X enclosure



DESCRIPTION

BU2 Dual branch unit series, is a passive device used to branch off (one Input – 3 Outputs) the main cable into a cross tunnel or into another level. The BU2 has been designed to provide a balanced RF output, with a minimum attenuation loss through the branches. The branches will also pass a DV voltage to power the down line amplifiers with minimal voltage drop.

The BU2 utilises Illawarra Communication's proprietary leaky feeder terminal and saddle connections (rather than coaxial connectors which can cause higher losses and voltage drops), designed for easy assembly underground without the need for special tools or skills.

The BU2 is also equipped with isolating jumpers, which will allow mine staff to –

- Isolate/terminate the branch (blocks both RF and DC from entering the branch cable)
- DC Isolate the branch (blocks DC from entering the branch cable)
- Passes both RF and DC to the branch (normal operation)

SPECIFICATIONS

Frequency	VHF & UHF
Insertion Loss	Through main line – 4dB (VHF) 6dB(UHF) Branch 1 and 2 – 8dB (VHF) 10dB (UHF)
Impedance	75 ohm
VSWR	1.4:1 (148 – 175Mhz) 1.2:1 (20 to 120Mhz)
Through Current Capacity	1.5 amps Max
Power Requirements	None
Connections	Proprietary – Brass Screw terminal and Saddle (optional N type)
Enclosure	IP66/NEMA4X heavy duty enclosure
Weight & Dimensions	1.2Kg – 160(w) x 60(d) x 75(h) mm

