

Hybrid couplers N-type female terminated

Hybrid couplers split the input signal between two output ports, or combine two signals whilst maintaining high isolation between them.

Branch feeder cables, water-proofing, bird proofing and other installation accessories are all available separately.

Specifications	HBC3	HBC6
Construction	Painted aluminium and chrome terminations	
Frequency range	UHF 400-570MHz	UHF 400-570MHz
Coupling	3 dB	6 dB
Coupling ratio (%)	50/50	75/25
Unbalanced*	0.5 dB	0.5 dB
Phase balance	5 degrees	5 degrees
Return loss, VSWR	Better than -22 dB, <1.15:1	
Insertion loss - maximum*	0.7 dB	0.5 dB
Isolation - minimum	25 dB	25 dB
Power Handling - 50°C	200 Watts	200 Watts
Intermodulation product	≤ -140 dBc (2 x 43 dBm)	
Connectors	N-female	N-female
Dummy load - supplied	N-type male - 5W capable	N-type male - 5W capable
Dimensions	184mm long x 60mm wide x 40mm high	
Weight	450 grams	450 grams

* Unbalanced - specifies the maximum coupling loss variation within the specified operating range.

* Insertion Loss - is the actual dissipated and reflected loss. It does not include coupling loss.

