

4-Stack Harnesses

UHF Mobile Trunking/Telemetry 400...470 MHz

- ★ Use four-stack harnesses to couple four antennas together so they are fed in phase, keeping a low VSWR and minimum insertion loss.
- ★ Using harnesses in antenna stacks achieves higher gain or specific radiation patterns.
- ★ Gain increases by about six decibels when you quadruple the antennas in a collinear array.
- ★ Under no circumstances should the harness branches be shortened because they serve as impedance-transforming sections.
- ★ Extra jumper cable sections may be necessary to reach each antenna. Such sections must be equal in length to feed the antennas in phase.
- ★ The branches and the feeder end terminate with type N-female connectors.
- ★ The harnesses are fully waterproof.



Electrical Data

Sales code	MT4420C	MT4/460C	MT4/460
Article number	A10AA0152A	A10AA2136A	A10AA0151A
Band	UHF Mobile Trunking	UHF Telemetry	
Frequency	400—430 MHz	440—470 MHz	
Impedance	50 Ω		
VSWR	≤ 1.3: 1 within the band		
Insertion loss	Fundamental loss = 6 dB. Additional loss of 0.25 dB per branch.		
Maximum power	100 W		

Mechanical Data

Temperature range	-25°C to 60°C	
Terminations	4 x N Jacks (Females) 1 x N Socket (Male)	5 x N Sockets (Males)
Waterproof	Yes	
Parcel dimensions	1.3 kg / 41cm x 46cm x 7cm	