

# VHF 2-STACK HARNESSES

- ☑ These harnesses are used to couple two antennas together so they are fed in phase keeping a low SWR and minimum insertion loss.
- ☑ Higher gain or a special shape radiation pattern is achieved.
- ☑ When the number of antennas in a collinear array is doubled, the gain increases by about three decibel (3 dB).
- ☑ The branches of the harness are impedance transforming sections and must not be shortened.
- ☑ Extra jumper cable sections may be necessary to reach each antenna. Such sections must be made exactly equal length so that the antennas are fed in phase.
- ☑ The branches are terminated with type N-female connectors and the feeder end with type N-female connector.
- ☑ The harnesses are fully waterproof.



**2-STACK HARNESS**

Electrical	MT2/72	MT2/80	MT2/100	MT2/125	MT2/145	MT2/165	MT2/250	SI
Frequency	66—78	73.5—7.5	88—108	118—136	138—156	146—174	254—268	MHz
Impedance	Nom. 50 (all terminals)							Ω
SWR	≤ 1,3 within the band (branches terminated with 50 Ω )							
Insertion Loss	Fundamental Branching Loss = 3; Additional Insertion Loss = 0,25 (per branch)							dB
Max. power	100 (on feeder terminal)							W
Mechanical	Data							
Temp. Range	-25 ... + 60							°C
Terminations	Antenna Terminations = 2 x N Females; Feeder Terminations = 1 x N Male							
Waterproof	All cable junctions are sealed.							
Packed Dims	0,8 kg / 33 cm x 32 cm x 6 cm							