

# WESTFLEX 103 LOW LOSS 50 Ohm COAXIAL CABLE

## Technical Specification

Westflex 103 is a very similar in size cable as RG213u...the main difference is that it is Air-Spaced...which gives it half the loss...and the Centre conductor is 2.65mm rather than 2.5mm. It is easy to use and very affordable being only a few pence per Metre more

Normal Cheap PL259s will fit it OK..but it makes sense to use the better quality Silver PTFE and Gold ones at £3.00 each or the Pressure sleeve ones at £3.50 each. In the case of N PLUGS you have 2 routes..the Standard Pressure Sleeves ones (£3) (They MUST BE PRESSURE SLEEVE) will fit if you file down the centre conductor a very little bit..or you can buy our VERY SPECIAL RUGGED ones made for the Cable and easy to use at £7 each..the very up-market type are also OK for RG213u and all other 10.3mm Cables such as LMR400 etc.

Careful waterproofing of any outside connector is most important and I suggest first SELF-AMALGAMATING Tape (£4..50) and then DENSO Tape. Do not assume that all aerial junction boxes are waterproof ..and water can very often gain a route into the cable through these. We can of course supply RF adaptors to convert whatever Connector you fit on the cable to whatever connection you need..see connector lists.

For a loss comparison chart see our Front page calculator

### TECHNICAL DATA.....

<u>Inner Conductor</u> ...2.6mm Plain Copper	<u>Dielectric</u> ..Semi Air Spaced five cell extrusion
<u>Outer Conductor</u> ...Tape & Braid Copper	<u>Coverage of Copper</u> .....100%
<u>Sheath</u> .....PVC	<u>Velocity Ratio</u> .....0.85
<u>Min bending Radius</u> .....55mm	<u>Capacitance</u> ..pf/m.....78
<u>Temp range</u> oC ...-40/+80 C	<u>Weight</u> kg/km.....150
<u>Max operating Voltage</u> ..5 KV RMS	<u>Sheath Dia</u> .....10.3mm
<u>Inner Conductor</u> ....2.65mm dia	<u>Dielectric</u> .....7.2mm dia
<u>Outer Conductor</u> ...8mm dia	

### ATTENUATION DB per 100 Metres

10 MHZ.....	0.9
30 MHZ.....	1.7
50 MHZ.....	2.7
100 MHZ.....	3.2
144 MHZ.....	4.5
200 MHZ.....	5.4
400 MHZ.....	7.2
432 MHZ.....	7.5
1,000 MHZ.....	13
1,296 MHZ.....	15
2,000 MHZ.....	21
3,000 MHZ.....	27.8
5,000 MHZ.....	34.1

These losses are approx half those of RG213u and a Quarter of those of RG58cu.

Figures shown for are Cable only and not Cable with Connectors fitted

OUR MAIN USERS ARE GVT and MILITARY Depts and THE BROADCAST INDUSTRY