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 is makes sense to use the better quality Silver PTFE and Gold ones at £2.30 each or the Pressure sleeve ones at £3 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 £6 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.....

Inner Conductor....2.6mm Plain Copper
Outer Conductor...Tape & Braid Copper
Sheath.....PVC
Min bending Radius.....55mm
Temp range oC ...-40/+80 C
Max operating Voltage..5 KV RMS
Inner Conductor.....2.65mm dia
Outer Conductor....8mm dia

Dielectric..Semi Air Spaced five cell extrusion
Coverage of Copper.....100%
Velocity Ratio.....0.85
Capacitance..pf/m.....78
Weight kg/km.....150
Sheath Dia.....10.3mm
Dielectric.....7.2mm 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