Type 43

TYPE 43 GENERAL TECHNICAL SPECIFICATION

Radiall 75Ω coaxial Type 43 connectors are designed to meet or exceed the requirements of BS9210 F0022. The following information is subject to change without notice. The performance values shown are typical and may not relate to all connector styles available.

CHARACTERISTICS

TEST / CHARACTERISTICS	VALUES / REMARKS

ELECTRICAL CHARACTERISTICS

Impedance	75Ω
Frequency Range	DC - 3 GHz
Temperature Range	-40 °C to + 100 °C
V.S.W.R. (Straight Connectors)	1.20 max
V.S.W.R. (Right Angle Connectors)	1.25 max
Voltage Rating	500 Vrms max
Dielectric Withstanding Voltage	1500 Vrms min
Insulation Resistance	5000 MΩ min

MECHANICAL CHARACTERISTICS

Durability	250 matings
Cable Retention (Plug Connectors) (Socket Connectors)	60 to 220 N min [3]
Center Contact Retention (Plug Connectors) (Socket Connectors)	22 N min
Weight	10 g (grams) typical

MATERIALS AND PLATING

Components	Materials	Platings
Body Components [1]	Brass	Selective Gold
Outer Contact	Bronze	Selective Gold
Center Contact (Male)	Brass	Gold
Center Contact (Female)	Beryllium Copper	Gold
Insulator	PTFE	N/A
Panel Grommet	Polyacetal	N/A
Ferrule	Brass	Nickel
Panel Mounting Hardware [2]	Brass or Phosphor Bronze	Nickel

Notes

1.In general all Type 43 series connector bodies are gold plated in mating areas.
As a note, the single piece Type 43 connector body is gold plated in the mating area with other surfaces being nickel coated.
All multi-piece connector bodies comprise of a gold plated front body (mating area) and a nickel plated back body (crimp area).
2. Panel mounting hardware includes components such as - nut, washer, spacer etc.
3. Lower cable retention value for RG179 - 60 N min and BT3002/TZC 75024 - 150 N min