

Datasheet

Straight Cable Mount Connector

RS Stock number 457-282



Specifications:

Electrical

Impedance	50 OHMS standard, 75 OHMS where indicated
Frequency	50 OHMS - DC to 4GHZ 75 OHMS - DC to 1GHZ
Insulation resistance	5000 MOHMS min.
Inner contact resistance	1.5 mOHMS max.
Outer contact resistance	0.5 mOHMS max.
Working voltage	500V RMS max.
Dielectric withstanding voltage	1500V RMS max.
VSWR	1.35 : 1 max. (cable fixing connectors only)
Insertion loss	0.2dB max. @ 3GHZ
RF leakage	-55dB max. @ 3GHZ

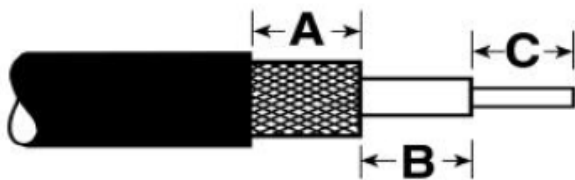
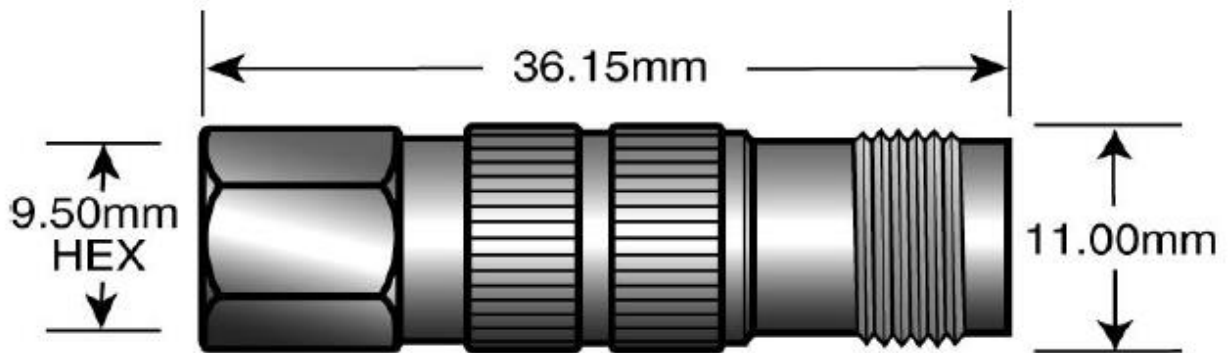
Mechanical & Environmental

Cable retention	Equal to breaking strain of cable (cable fixing connectors only)
Durability	500 mating minimum
Temperature range	-55°C to +85°C

Straight Cable Mount Connector

RS Stock number 457-282

Dimensions (mm):



A	6mm
B	0mm
C	12mm

Straight Cable Mount Connector

RS Stock number 457-282

Assembly Instructions:

- 1) TRIM CABLE AS SHOWN, CUTTING CENTRE CONDUCTOR AT APPROX. 30 DEGREES. TAKE CARE NOT TO NICK THE CENTRE CONDUCTOR OR BRAID. CUTTING CENTRE AT 30 DEGREES FACILITATES EASY ENTRY OF THE CONDUCTOR INTO THE CONNECTOR.
- 2) TWIST THE BRAID IN A CLOCKWISE DIRECTION SO THAT A MINIMUM OF 1/32" (0.8MM) INNER DIELECTRIC IS BARED. BE CERTAIN TO AVOID LOOSE OR STRAY STRANDS THAT COULD CAUSE SHORTS.
- 3) INSERT THE CENTRE CONDUCTOR INTO THE GUIDE HOLE IN THE REAR INSULATOR OF THE CONNECTOR.
- 4) NOW FIRMLY PUSH THE CABLE AS FAR FORWARD AS POSSIBLE & SCREW THE CONNECTOR HEX BACK END ONTO THE CABLE IN A CLOCKWISE DIRECTION UNTIL IT STOPS.

