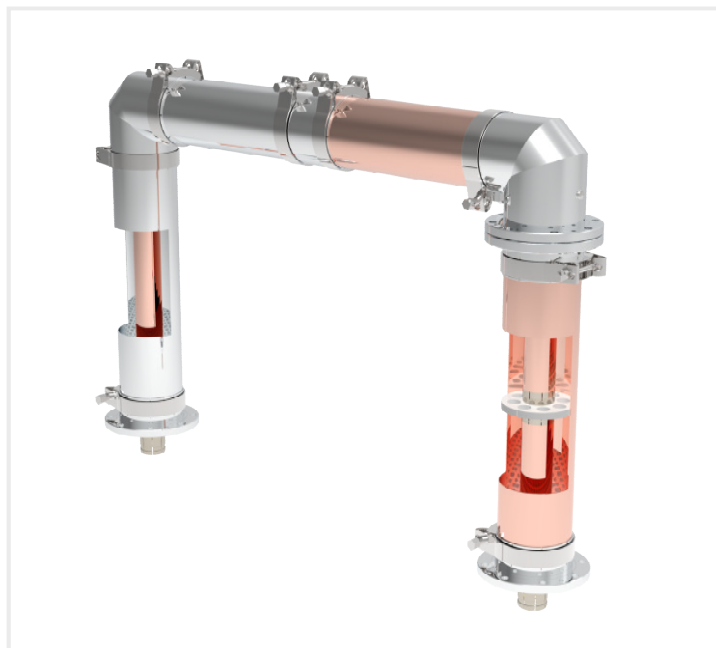




PRODUCT FEATURES

Transmission Line 4 1/2" – DC ÷ 1GHz

- High-performance rigid transmission copper-copper or aluminum-copper conductors
- Low VSWR
- Low Insertion Loss
- Clamp-type flange system
- Modular jointing components
- Dimension: standard EIA 4 1/2" (339 IEC 50-105)
- Impedance: 50Ω
- Insulator: PTFE

GENERAL FEATURES

MAXIMUM RMS INPUT POWER ^(1;2)

VHF B.I (88MHz): **85kW**
 VHF B.II (108MHz): **77kW**
 VHF B.III (230MHz): **51kW**
 UHF (860MHz): **30kW**

ELECTRICAL and MECHANICAL DATA

ATTENUATION ^(1;3)

VHF B.I (88MHz): **0.25** dB/100mt
 VHF B.II (108MHz): **0.27** dB/100mt
 VHF B.III (230MHz): **0.38** dB/100mt
 UHF (860MHz): **0.71** dB/100mt

WEIGHT

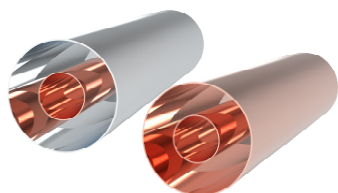
5,64 Kg/mt (3.79 lbs/ft)
 copper-copper
2,54 Kg/mt (1.71 lbs/ft)
 aluminum-copper

ELECTRICAL and MECHANICAL DATA

WEIGHT

0.6 Kg (1.32 lbs)

Rigid Line



PRODUCT CODE:

RL412-IC

Copper inner conductor

RL412-OA

Aluminum outer conductor

RL412-OC

Copper outer conductor

Inner conductor support



PRODUCT CODE:

RL412S

Recommended for use on 4 1/2" transmission line runs longer than 1.5m (5')

⁽¹⁾ Default Specific band configurations available ⁽²⁾ Altitude < 1525 mt (5000 ft) and +30° C (86° F) air dry temperature ⁽³⁾ Sea level, and +20° C (68° F) air dry temperature, VSWR 1.0
⁽⁴⁾ Return Loss (VSWR) value is referred 700MHz

Clamping Flange



PRODUCT CODE:
RL412F-O-A
Aluminum
RL412F-O-B
Brass

ELECTRICAL and MECHANICAL DATA

RETURN LOSS ⁽⁴⁾ (VSWR)	> -36.6 dB < 1.03
WEIGHT	1,0 Kg (2.20 lbs) – Aluminum 3,0 Kg (6.61 lbs) – Brass

EIA Inner



PRODUCT CODE:
RL412I

ELECTRICAL and MECHANICAL DATA

WEIGHT	0.6 Kg (1.32 lbs)
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Rigid Line Joint



PRODUCT CODE:
RL412J

ELECTRICAL and MECHANICAL DATA

RETURN LOSS ⁽⁴⁾ (VSWR)	> -36.6 dB < 1.03
WEIGHT	6,0 Kg (13.22 lbs)

90° Elbow Clamping-Clamping



PRODUCT CODE:
RL412E-RR

ELECTRICAL and MECHANICAL DATA

RETURN LOSS ⁽⁴⁾ (VSWR)	> -36.6 dB < 1.03
WEIGHT	5,0 Kg (11.02 lbs)

90° Elbow EIA Flange-Clamping



PRODUCT CODE:
RL412E-OR

ELECTRICAL and MECHANICAL DATA

RETURN LOSS ⁽⁴⁾ (VSWR)	> -36.6 dB < 1.03
WEIGHT	6,4 Kg (14.11 lbs)

90° Elbow EIA Flange-EIA Flange



PRODUCT CODE:
RL412E-OO

ELECTRICAL and MECHANICAL DATA

RETURN LOSS ⁽⁴⁾ (VSWR)	> -36.6 dB < 1.03
WEIGHT	7,80 Kg (17.64 lbs)

⁽¹⁾ Default Specific band configurations available ⁽²⁾ Altitude < 1525 mt (5000 ft) and +30° C (86° F) air dry temperature ⁽³⁾ Sea level, and +20° C (68° F) air dry temperature, VSWR 1.0
⁽⁴⁾ Return Loss (VSWR) value is referred 700MHz

45° Elbow Clamping-Clamping



PRODUCT CODE:
RL412E-RR-1

ELECTRICAL and MECHANICAL DATA

RETURN LOSS ⁽⁴⁾ (VSWR)	> -36.6 dB < 1.03
WEIGHT	4,5 Kg (9.92 lbs)

45° Elbow EIA Flange-Clamping



PRODUCT CODE:
RL412E-OR-1

ELECTRICAL and MECHANICAL DATA

RETURN LOSS ⁽⁴⁾ (VSWR)	> -36.6 dB < 1.03
WEIGHT	4,9 Kg (10.80 lbs)

45° Elbow EIA Flange-EIA Flange



PRODUCT CODE:
RL412E-OO-1

ELECTRICAL and MECHANICAL DATA

RETURN LOSS ⁽⁴⁾ (VSWR)	> -36.6 dB < 1.03
WEIGHT	7,3 Kg (16.09 lbs)

⁽¹⁾ Default Specific band configurations available ⁽²⁾ Altitude < 1525 mt (5000 ft) and +30° C (86° F) air dry temperature ⁽³⁾ Sea level, and +20° C (68° F) air dry temperature, VSWR 1.0
⁽⁴⁾ Return Loss (VSWR) value is referred 700MHz