

COAXIAL CABLE ASSEMBLY

CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS Compliant

CABLE 347 RF: RF CABLE ASSEMBLY, I-PEX MHF IV L PLUG + 1.13MM CABLE + STRIP / TIN

SPECIFICATIONS :

1. I-PEX MHF IV L PLUG (20565-001R-13)

2. 1.13MM COAXIAL CABLE, COLOR: BLACK.

3. TWISTED BRAID OR FLEXIBLE COPPER WIRE, LENGTH = A (CENTRE CONDUCTOR) + B (INSULATOR). MINIMUM = 6.0MM. LENGTH 6.0MM - 9.9MM: TWISTED BRAID. LENGTH +10MM: FLEXIBLE COPPER WIRE.

USAGE PRECAUTIONS: CABLES USING 'MICRO' COAX ARE DELICATE:

(i) HANDLE WITH CARE.

(ii) DO NOT TWIST; APPLY EXCESSIVE FORCES OR SHARP BENDS TO THE CABLE. DO NOT FORCEFULLY DEFORM WIRES.

(iii) CONSULT CONNECTOR MANUFACTURER'S DATASHEETS FOR DETAILED NOTES ON HANDLING INSTRUCTIONS.

NOTES:

1. STRIP DIMENSION A / B / C STANDS FOR
A = CENTRE CONDUCTOR
B = INSULATOR
C = BRAID.

2. INSERTION LOSS TEST REPORT IS NOT AVAILABLE.

3. THIS IS OUR STANDARD OFFERING, SPECIAL DESIGNS ARE AVAILABLE, INCLUDING CUSTOM TOLERANCES AND SPECIAL BRAID TINNING DESIGNS. PLEASE CONTACT GCT FOR MORE INFORMATION.

4. CENTRE CONDUCTOR AND TWISTED BRAID OF COAX CABLE IS TINNED. WHEN BRAID LENGTH EXCEEDS 10MM LENGTH OF TINNED COPPER WIRE IS SOLDERED TO THE BRAID/SHIELD OF THE COAX CABLE WHICH ALLOWS SOLDERING TO PCB.

5. OPERATING TEMPERATURE: -40°C TO +90°C

6. IMPEDANCE: 50 OHM.

1

2

3

OPTIONAL TIN

A

B

C

L

5.0±0.3MM

5.0±0.3MM

TINNED

10.0±2MM

3

STRIP OPTION A

STANDARD LENGTH = 5.0 / 5.0 / 10.0.

2.0±0.3MM

1.0±0.3MM

2.0±0.3MM

TINNED

STRIP OPTION C

STANDARD LENGTH = 2.0 / 1.0 / 2.0.

2.0±0.3MM

1.0±0.3MM

2.0±0.3MM

TINNED

STRIP OPTION B

STANDARD LENGTH = 2.0 / 1.0 / 2.0.

L

STRIP OPTION E (CLEAN CUT)

P/N: CABLE 347 RF-XXX-0/0/0-E

HOW TO ORDER

CABLE 347 RF - XXX - X.X / X.X / X.X - X

"L" LENGTH IN MM
eg: 100MM = 100
(MIN. 025 - MAX. 400
STANDARD : 100, 150, 200)
TOLERANCE: <50MM: ±2MM
51-200MM: ±5MM
201-400MM: ±7MM

A/B/C STRIP DIMENSION IN MM
FOR STANDARD LENGTH PLEASE
REFER TO DRAWINGS.
(SPECIALS AVAILABLE UPON
REQUEST.)

STRIP AND TIN OPTIONS:
A = CENTER CONDUCTOR & TWISTED BRAID/SOLDERED COPPER
WIRE TINNED (SEE NOTE 4 FOR SOLDER TO PCB APPLICATION)
B = STRIPPED, END A TINNED
C = STRIPPED, END A & C TINNED
E = CLEAN CUT

REV. DATE & DRN

10 20/06/19 - NFW RELEASE

11 22/02/25 - CC

Add GCT Logo.

Scale: NTS

Drawn: CC

App'd: XXX

Date: 22 Feb. '25

THIRD ANGLE

Unstated
.X
.XX
.XXX
ANGLES

Tolerances:
N/A
N/A
N/A
N/A

Title CABLE ASSEMBLY

Revision: 1.1

Material
SEE NOTE

NOT TO SCALE

Unit: mm

GCT

www.gct.co

GRADCONN

www.gradconn.com

Type: Cable 347 RF

CABLE 347 RF

Drawing Number:

Sheet 1 of 1

Drawing © E and O E

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