

Excellent Integrated System Limited

Stocking Distributor

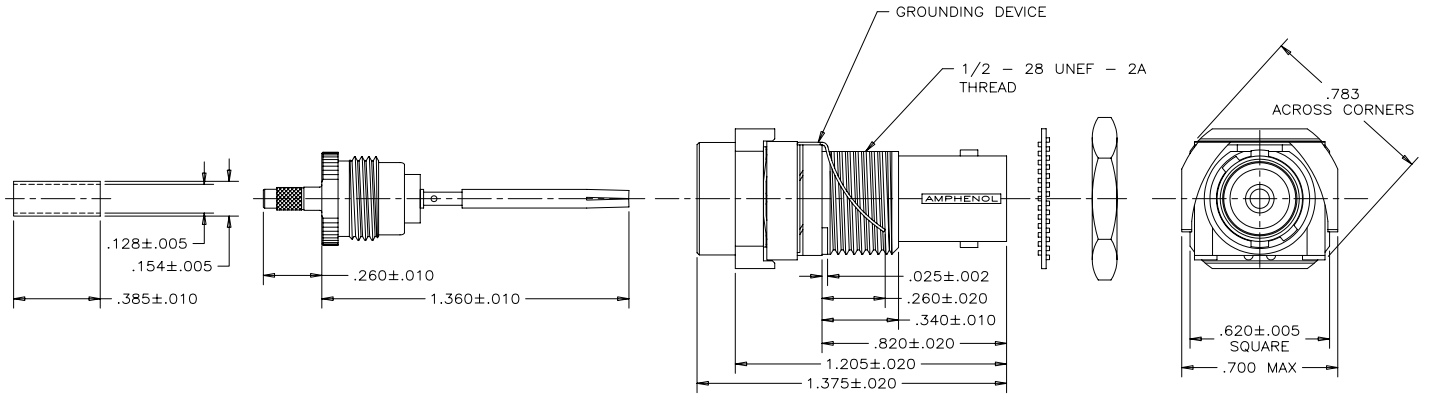
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Amphenol Commercial Products](#)
[456E218](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

REVISIONS			
REV	ECN, ERN NO.	DATE	APPRD.
A	PRODUCT DRAWING	DEC01/05	K.L.



MECHANICAL: ALL MATERIALS ARE RoHS COMPLIANT

THREADED HOUSING: THERMOPLASTIC
(COMPLIES WITH UL FLAMMABILITY REQUIREMENT OF 94V-0 PER UL-STD-94)

GROUNDING DEVICE: COPPER ALLOY, NICKEL PLATED

METAL BODY: HIGH STRENGTH ZINC DIECAST
(NICKEL PLATED)

CENTER CONTACT: PHOSPHOR BRONZE, 30 MICROINCH,
GOLD PLATED

MOUNTING NUT: BRASS, NICKEL PLATED

RECOMMENDED CABLE (RG-179)
STRIPPING DIM'S
CABLE IMPEDANCE: 75 OHM

RECOMMENDED PANEL CUTOUT

CRIMP WITH AMPHENOL TOOL 227-944 (M22520/5-01)
AND DIE SET 227-1221-03 CAVITY 'A' (M22520/5-03)

ELECTRICAL SPECIFICATION:

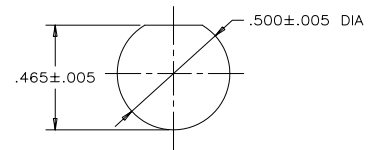
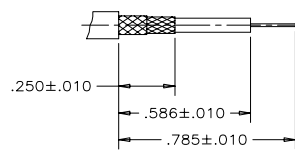
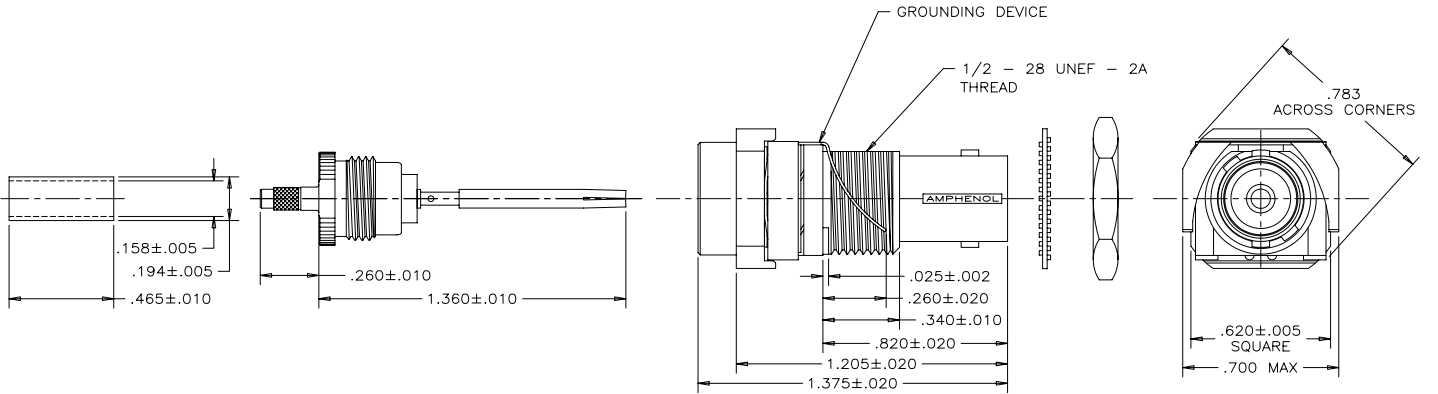
AMPHENOL PART NO.	456E-218	456E-218S	456E-218SL*
CAPACITANCE	10000 pF ± 15%	10000 pF ± 15%	
DIELECTRIC WITHSTANDING VOLTAGE	1000 VDC	1050/700 VDC BREAK BY SPARK GAP DEVICE	
	500 V RMS		
WORKING VOLTAGE	200 VDC	200 VDC	
IMPEDANCE	75 OHM NOMINAL	75 OHM NOMINAL	
OPERATING TEMPERATURE	-20°C TO +85°C	-20°C TO +85°C	

* SEE SHEET 2 FOR PART NO. 456E-218SL.

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DRAWN S.BUENAVIDES	DATE DEC01/05	Amphenol Canada Corp.	
CHECKED K.LAMBIE	DATE DEC02/05		
DESIGNED		TITLE 456E SERIES B.N.C. REAR MOUNT CAPACITIVELY DECOUPLED CONNECTOR, 10,000 pF, 75 OHM, CRIMP, RoHS COMPLIANT	
APPROVED			
INDUSTRIAL ENG. APPRD.			
ENGINEERING RELEASE NO.			
REF.		DWG C	REV. A
DIMENSIONS ARE IN INCHES	CODE IDENT. NO. 03554	SCALE 3/1	WT. --- SURF. --- SHEET 1 of 3

REVISIONS			
REV	ECN, ERN NO.	DATE	APPRD.
A	PRODUCT DRAWING	DEC01/05	K.L.



RECOMMENDED CABLE (RD-179)
STRIPPING DIM'S
CABLE IMPEDANCE: 75 OHM

RECOMMENDED PANEL CUTOUT

CRIMP WITH AMPHENOL TOOL 227-944 (M22520/5-01)
AND DIE SET 227-980-2 CAVITY 'A'

AMPHENOL PART NO.: 456E-218SL
SEE SHEET 1 FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS.

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DRAWN	S.BUENAVIDES	DATE	DEC01/05
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DESIGNED			
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REF.			
DIMENSIONS ARE IN	CODE IDENT.	DWG	DRAWING NO.
INCHES	NO.	C	P-456E-218XX
	03554	SCALE	3/1
		WT.	---
		SURF.	---
		SHEET	2 OF 3

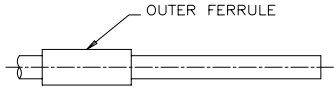
Amphenol Canada Corp.

TITLE 456E SERIES B.N.C. REAR
MOUNT CAPACITIVELY DECOUPLED
CONNECTOR, 10,000 pF, 75 OHM,
CRIMP, RoHS COMPLIANT

REV. A

ASSEMBLY INSTRUCTIONS FOR P/N 456E-218 & 456E-218S

REVISIONS			
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A	PRODUCT DRAWING	DEC01/05	K.L.



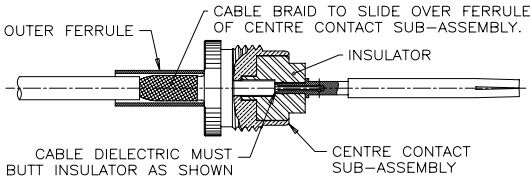
STEP 1
SLIDE OUTER FERRULE ONTO CABLE AS SHOWN PRIOR TO STRIPPING CABLE.



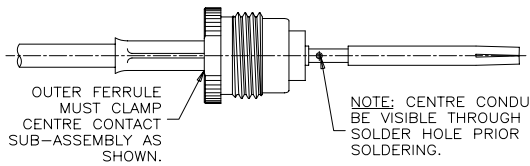
STEP 2
STRIP CABLE JACKET, BRAID AND DIELECTRIC TO DIMENSIONS SHOWN ON SHEET 1. ALL CUTS ARE TO BE SHARP AND SQUARE. IMPORTANT: DO NOT NICK BRAID, DIELECTRIC AND CENTRE CONDUCTOR WHEN CUTTING. TIN CENTRE CONDUCTOR USING SOFT SOLDER PER QQ-S-571 COMP Sn 60. AVOID EXCESSIVE HEAT WHILE TINNING TO PREVENT SWELLING OF CABLE DIELECTRIC.



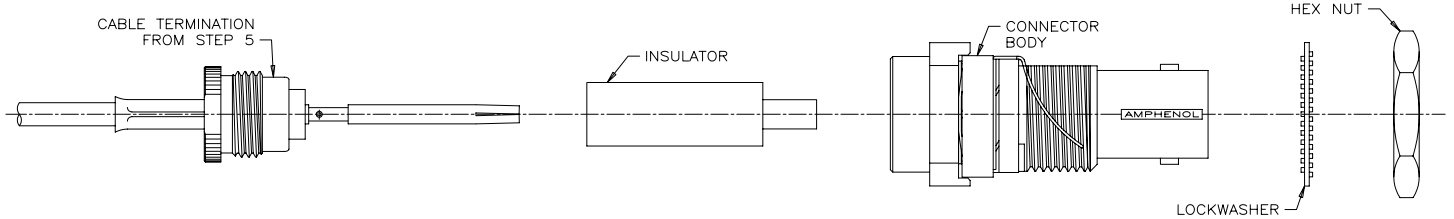
STEP 3
SLIGHTLY FLARE OUT END OF CABLE BRAID AS SHOWN SO AS TO FACILITATE INSERTION ONTO CENTRE CONTACT SUB-ASSEMBLY. IMPORTANT: DO NOT COMB OUT BRAID.



STEP 4
INSTALL CENTRE CONTACT SUB-ASSEMBLY ONTO CABLE SO THAT FERRULE PORTION SLIDES UNDER BRAID AND INSULATOR BUTTS FLUSH AGAINST CABLE DIELECTRIC. SLIDE OUTER FERRULE OVER BRAID AND UP AGAINST SHOULDER OF CENTRE CONTACT SUB-ASSEMBLY. MAKE SURE NO SLACK EXISTS IN BRAID. CRIMP OUTER FERRULE WITH TOOL SPECIFIED ON SHEET 1, KEEPING CABLE DIELECTRIC BOTTOMED AGAINST INSULATOR.



STEP 5
SOFT SOLDER CENTRE CONDUCTOR TO CONTACT USING ROSIN CORE PER QQ-S-571 COMP Sn 60. DO NOT GET ANY SOLDER ON OUTSIDE SURFACES OF CONTACT.



STEP 6
SLIDE INSULATOR INTO CONNECTOR BODY AND SCREW THE ASSEMBLY ONTO THE PREPARED CABLE TERMINATION. WRENCH TIGHTEN BY HOLDING THE CENTRE CONTACT SUB-ASSEMBLY STATIONARY WHILE ROTATING THE CONNECTOR BODY. SLIDE CONNECTOR INTO THE PANEL OPENING AND INSTALL LOCKWASHER AND HEX NUT TO HOLD IT IN PLACE.

MATERIAL -----	DRAWN S.BUENAVIDES	DATE DEC01/05	Amphenol Canada Corp. TITLE 456E SERIES B.N.C. REAR MOUNT CAPACITIVELY DECOUPLED CONNECTOR, 10,000 pF, 75 OHM, CRIMP, RoHS COMPLIANT	
	CHECKED K.LAMBE	DATE DEC02/05		
	DESIGNED			
	APPROVED			
FINISH -----	INDUSTRIAL		DWG C	REV. A
	ENG. APPRD.			
	ENGINEERING			
	RELEASE NO.			
REF.		DIMENSIONS ARE IN INCHES	CODE IDENT. NO. 03554	DRAWING NO. P-456E-218XX
		SCALE 3/1	WT. -----	SHEET 3 OF 3

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