

Excellent Integrated System Limited

Stocking Distributor

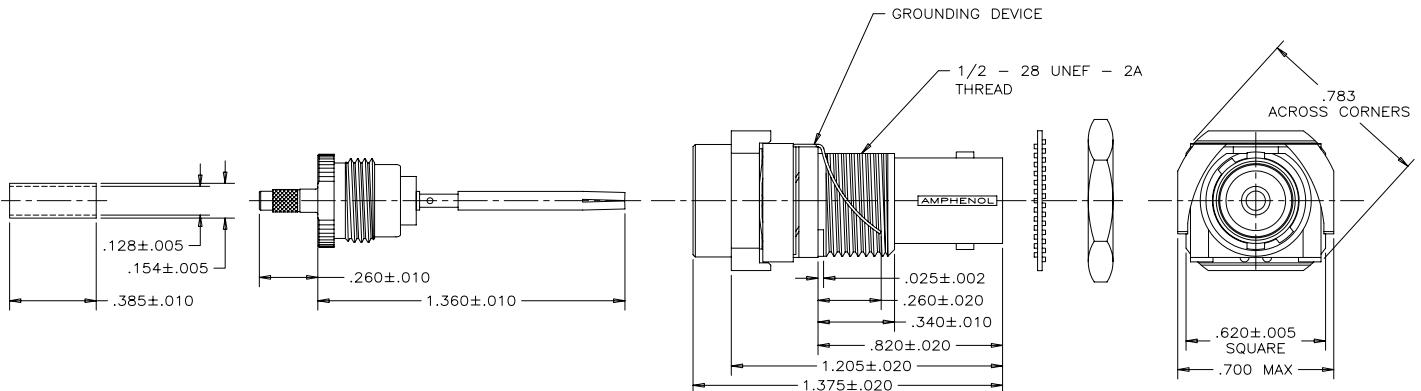
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[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.



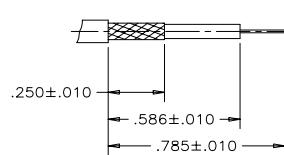
MECHANICAL: ALL MATERIALS ARE RoHS COMPLIANT
 THREADED HOUSING: THERMOPLASTIC (COMPLIES WITH UL FLAMMABILITY REQUIREMENT OF 94V-0 PER UL-STD-94)
 GROUNDING DEVICE: COPPER ALLOY, NICKEL PLATED
 METAL BODY: HIGH STRENGTH ZINC DIECAST (NICKEL PLATED)
 CENTER CONTACT: PHOSPHOR BRONZE, 30 MICROINCH, GOLD PLATED
 MOUNTING NUT: BRASS, NICKEL PLATED

ELECTRICAL SPECIFICATION:

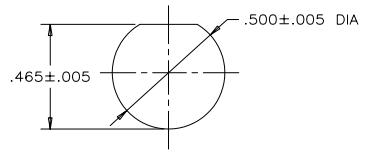
AMPHENOL PART NO.	456E-218	456E-218S	456E-218SL*
CAPACITANCE	10000 pF ± 15%	10000 pF ± 15%	
DIELECTRIC WITHSTANDING VOLTAGE	1000 VDC 500 V RMS	1050/700 VDC BREAK BY SPARK GAP DEVICE	
WORKING VOLTAGE	200 VDC	200 VDC	
IMPEDANCE	75 OHM NOMINAL	75 OHM NOMINAL	
OPERATING TEMPERATURE	-20°C TO +85°C	-20°C TO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

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

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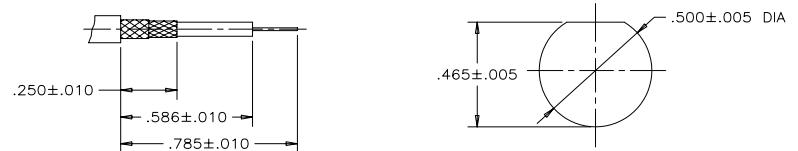
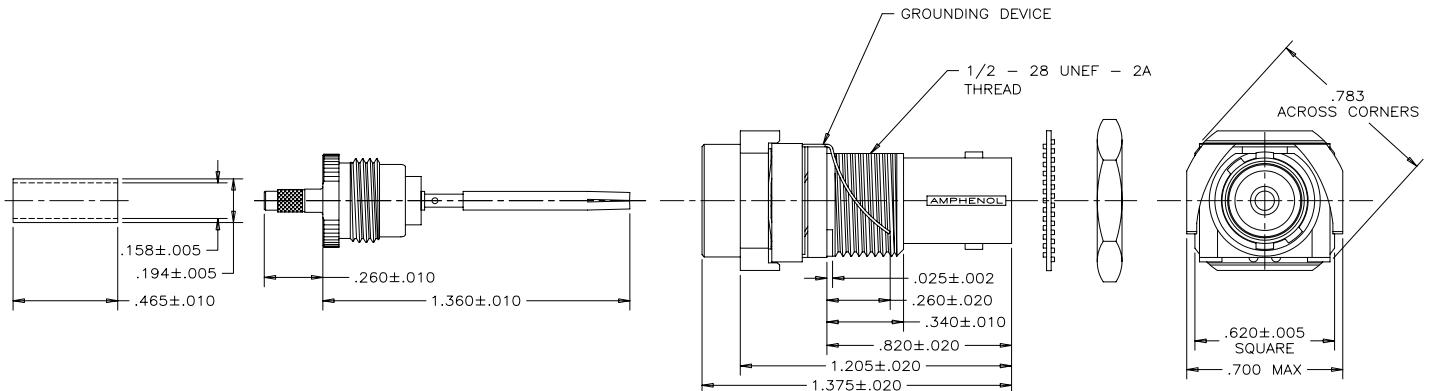
RECOMMENDED CABLE (RG-179)
 STRIPPING DIM'S
 CABLE IMPEDANCE: 75 OHM



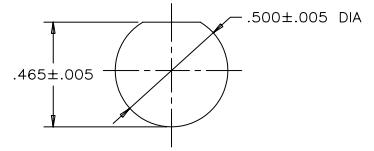
RECOMMENDED PANEL CUTOUT

DRAWN	S.BUENAVIDES	DATE	DEC01/05	Amphenol Canada Corp.
CHECKED	K.LAMBIE	DATE	DEC02/05	
DESIGNED				
APPROVED				
INDUSTRIAL				
ENGINEERING				
ENGINEERING				
RELEASE NO.				
REF.				
DWG	DRAWING NO.			
C	P-456E-218XX			
DIMENSIONS ARE IN	CODE IDENT.			
INCHES	NO.			
0.3554				
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



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

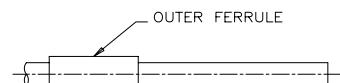
AMPHENOL PART NO.: 456E-218SL
SEE SHEET 1 FOR MECHANICAL AND ELECTRICAL SPECIFICATIONS.

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DRAWN S.BUENAVIDES	DATE DEC01/05	Amphenol Canada Corp.	
CHECKED K.LAMBIE	DEC02/05		
DESIGNED			
APPROVED			
INDUSTRIAL ENGINEER RECORD			
ENGINEERING RELEASE NO.			
REF.			
DWG C	DRAWING NO. P-456E-218XX	REV. A	
DIMENSIONS ARE IN INCHES	CODE IDENT. NO. 03554	SCALE 3/1 WT. ----- SURF. ----- SHEET 2 OF 3	

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

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



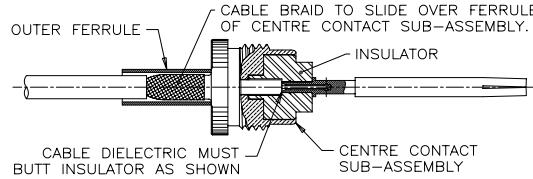
STEP 1
SLIDE OUTER FERRULE ONTO CABLE AS SHOWN PRIOR TO STRIPPING CABLE.



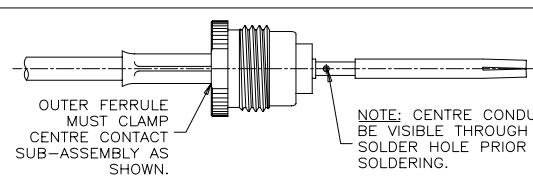
STEP 2
STRIP CABLE JACKET, BRAID AND DIELECTRIC TO DIMENSIONS SHOWN ON SHEET 1.
ALL CUTS ARE TO BE SHARP AND SQUARE. IMPORTANT: DO NOT NICK BRAID,
DIELECTRIC AND CENTRE CONDUCTOR WHEN CUTTING. TIN CENTRE CONDUCTOR
USING SOFT SOLDER PER QQ-S-571 COMP Sn 60. AVOID EXCESSIVE HEAT WHILE
TINNING TO PREVENT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



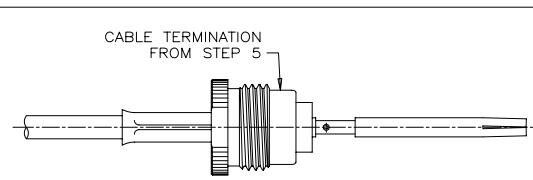
STEP 3
SLIGHTLY FLARE OUT END OF CABLE BRAID AS SHOWN SO AS TO FACILITATE
INSERTION ONTO CENTRE CONTACT SUB-ASSEMBLY. IMPORTANT: DO NOT COMB OUT
BRAID.



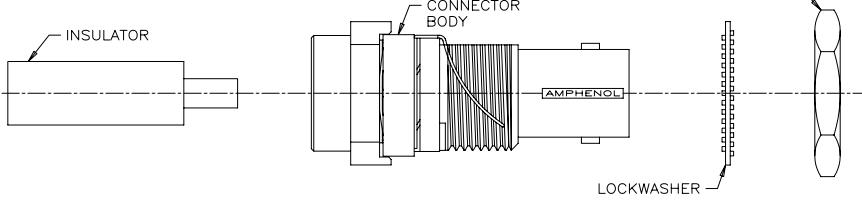
STEP 4
INSTALL CENTRE CONTACT SUB-ASSEMBLY ONTO CABLE SO THAT FERRULE PORTION
SLIDES UNDER BRAID AND INSULATOR BUTTS FLUSH AGAINST CABLE DIELECTRIC.
SLIDE OUTER FERRULE OVER BRAID AND UP AGAINST SHOULDER OF CENTRE CONTACT
SUB-ASSEMBLY. MAKE SURE NO SLACK EXISTS IN BRAID. CRIMP OUTER FERRULE
WITH TOOL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



NOTE: CENTRE CONDUCTOR MUST
BE VISIBLE THROUGH CONTACT
SOLDER HOLE PRIOR TO
SOLDERING.



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.

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

A

B

C

D

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F