

RMDX/RCDX



Size 16 MULTIPIECE coaxial contacts for TRIM TRIO connectors

Description

Size 16 RMDX/RCDX Multipiece .063" (1.6mm) diameter contacts are subminiature coaxial contacts to cover a wide range of subminiature coaxial and twisted pair cables.

They are suitable in applications where a mix of signal, power and coaxial cable terminations for low frequency, shielded signal and high frequency applications are needed.

The contact consists of an inner pin/socket and an outer male/female body.

The thermoplastic insulating bushing in the outer body is designed to accept and permanently retain the inner contact.

The outer ferrule holds the outer braid to the outer contact and acts as an insulating support to ensure against bending and vibrating stresses.

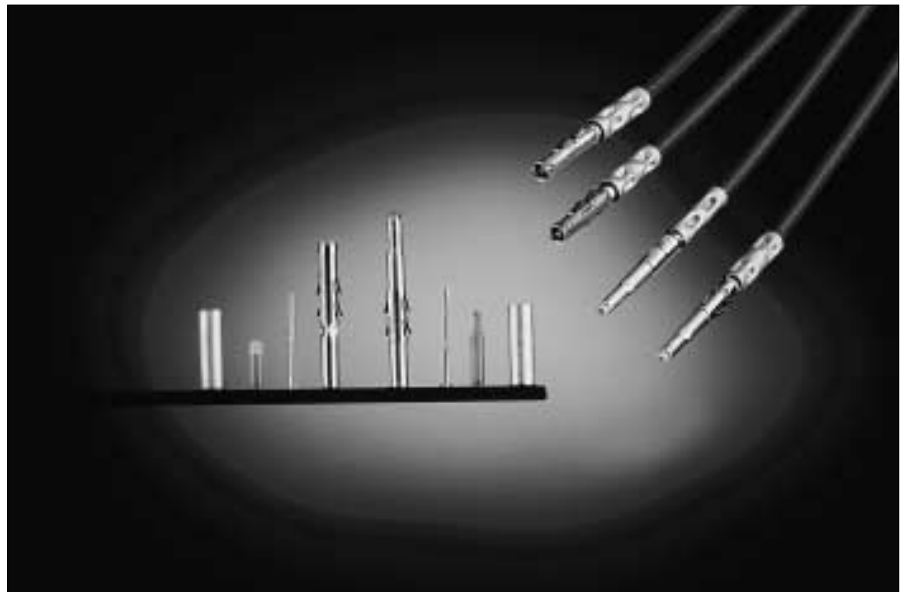
The inner and the outer conductor are crimped individually, thereby enabling inspection of both critical crimp points.

Features and benefits

- The inner and outer conductors are crimped individually
- The thermoplastic insulating bushing in the outer body is designed to accept and permanently retain the inner contact.
- Outer ferrule holds the outer braid to the outer contact and acts as an insulating support to ensure against bending and vibration.

Performance characteristics

Operating voltage between inner / outer contact:	230 VDC
Test potential between inner / outer contact	750 VAC 1 min.
Operating temperature:	-55°C to +125°C
Contact retention in body:	65 N min.
Contact voltage drop at 1A:	25mV max.
Isolation at 30 MHz:	140 db.



Construction

Inner and outer contacts: High conductive copper alloy

Retaining spring: beryllium copper

Insulating bushing: Polyamide 6.6

Plating table

Retaining spring: Nickel plated

Inner and outer contacts:

D28: 0.75 µ Gold min. over Nickel

Connector accommodation

Any TRIM TRIO contact can be used in any contact position in any connector in the TRIM TRIO interconnection system.

- MS-M/ MSG Rectangular connectors
- SMS Qikmate
- G - Bantamate
- UT-Bantam
- UTG Metalok bantam
- UTP Full plastic bantam
- UTGS Shielded bantam
- MBG Bantamate II

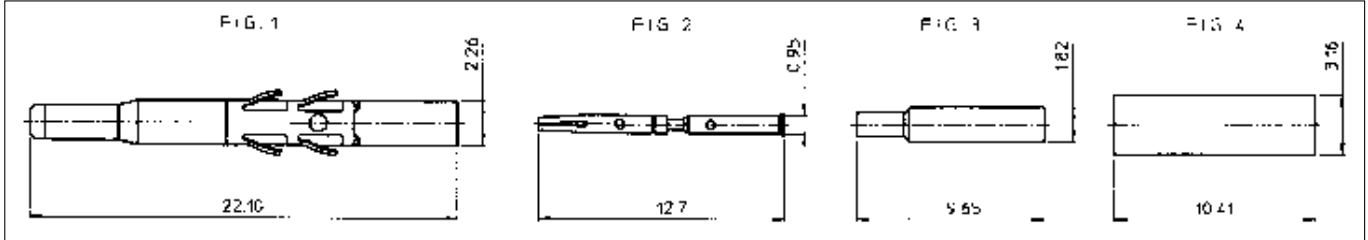
How to order

	RMDX RCDX	K10 K1	D28 D28
Contact type:	RMDX = Male subminiature coax. RCDX = Female subminiature coax.		
Multipiece coax kit	K10 = Kit male coax. K1 = Kit female coax		
Plating indication			

RMDX/RCDX



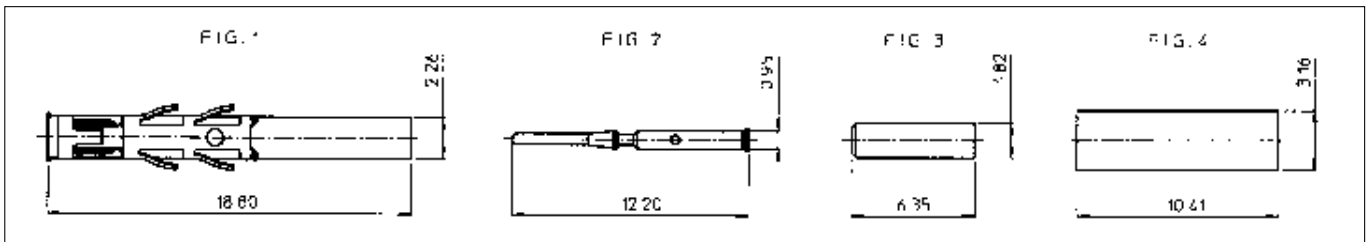
MULTIPIECE Subminiature coax - Male contact for coaxial cable



Type of coaxial cable	Contact for inner conductor				Contact for outer braid						Extrac tool
	Inner female contact		Crimp tool M10S1		Outer male contact		Hyring		Crimp tool M10S1		
	Part number	Fig.	Die Set	Stop Bushing	Part number	Fig	Part number	Fig	Die Set	Stop Bushing	
RG161U RG179A/U RG179B/U RG187U	RFD26L1D28	2	S23D2	SL46D2	RMDX602D28	1	YOC074	4	S22-1	SL47-1	RX2025 GE1
RG174/U RG188/U Amphenol 21-598			S26D2				YOC074	4			
RG178A/U RG196U			S23D2				YOC074 + RMDXB0553	4 3			

Kit reference RMDXK10D28 includes RMDX602D28 + RFD26L1D28 + YOC074 + RMDXB0553 and are packed in plastic bag.

MULTIPIECE Subminiature coax - Female contact for coaxial cable



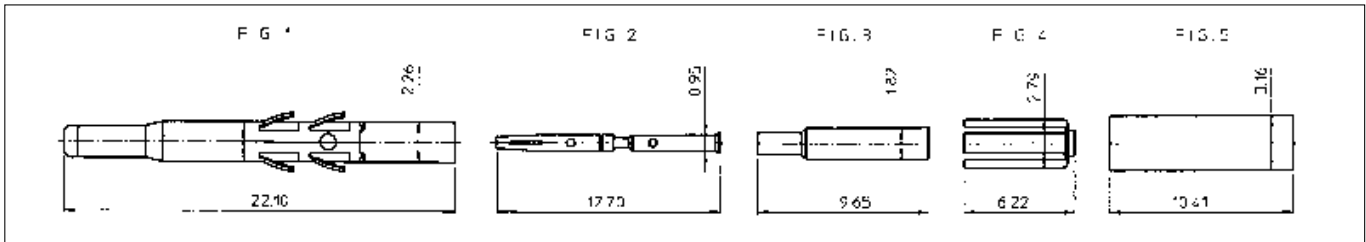
Type of coaxial cable	Contact for inner conductor				Contact for outer braid						Extrac tool
	Inner male contact		Crimp tool M10S1		Outer female contact		Hyring		Crimp tool M10S1		
	Part number	Fig.	Die Set	Stop Bushing	Part number	Fig	Part number	Fig	Die Set	Stop Bushing	
RG161U RG179A/U RG179B/U RG187U	RMD26L1D28	2	S23D2	SL46D2	RCDX602D28	1	YOC074	4	S22-1	SL47-1	RX2025 GE1
RG174/U RG188/U Amphenol 21-598			S26D2				YOC074	4			or
RG178A/U RG196U			S23D2				YOC074 + RCDXB0551	4 3			RX16D11 D1

Kit reference RCDXK1D28 includes RCDX602D28 + RMD26L1D28 + YOC074 + RCDXB0551 and are packed in plastic bag.

RMDX/RCDX

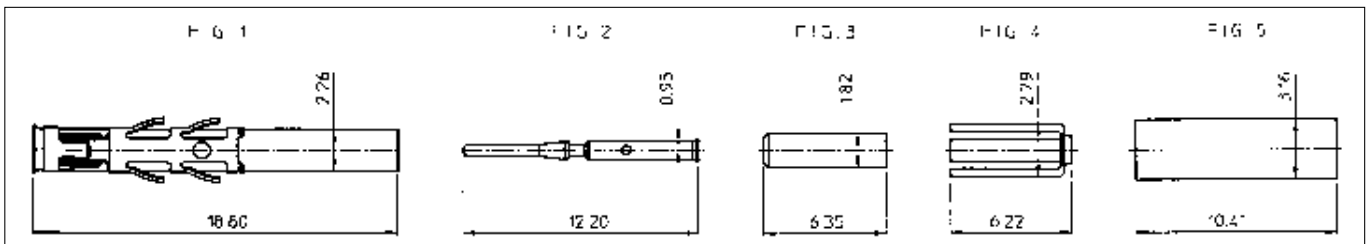


MULTIPIECE Subminiature coax - Male contact for twisted pair cable



Type of coaxial cable	Contact for inner conductor				Contact for outer braid						Extrac tool
	Inner female contact		Crimp tool M10S1		Outer male contact		Hyring		Crimp tool M10S1		
	Part number	Fig.	Die set	Stop bushing	Part number	Fig	Part number	Fig	Die set	Stop bushing	
2 #24 solid or stranded	RFD26L1D28	2	S26D2	SL46D2	RMDX602D28	1	YORX090	4	S221	SL471	RX2025 GE1 or RX16D11D1
2 #26 str							YOC074	5			
2 #24							RMDXB0553	3			
7/0,20 str.							YORX090	4			
MIL-W-76 or MIL-W-16878 type B							YOC074	5			
#28 per MIL-W-81822/3							RMDXB0554	3			
							YORX090	4			
							YOC074	5			
							RMDXB0553	3			

MULTIPIECE Subminiature coax - Female contact for twisted pair cable



Type of coaxial cable	Contact for inner conductor				Contact for outer braid						Extrac tool
	Inner male contact		Crimp tool M10S1		Outer female contact		Hyring		Crimp tool M10S1		
	Part number	Fig.	Die set	Stop bushing	Part number	Fig	Part number	Fig	Die set	Stop bushing	
2 #24 solid or stranded	RMD26L1D28	2	S26D2	SL46D2	RCDX602D28	1	YORX090	4	S221	SL471	RX2025 GE1 or RX16D11D1
2 #26 str							YOC074	5			
2 #24							RCDXB0551	3			
7/0,20 str.							YORX090	4			
MIL-W-76 or MIL-W-16878 type B							YOC074	5			
#28 per MIL-W-81822/3							RCDXB0552	3			
							YOC074	5			
							RCDXB0551	3			

RMDX/RCDX



Size 16 monocrimp coaxial contacts for TRIM TRIO connectors

Description

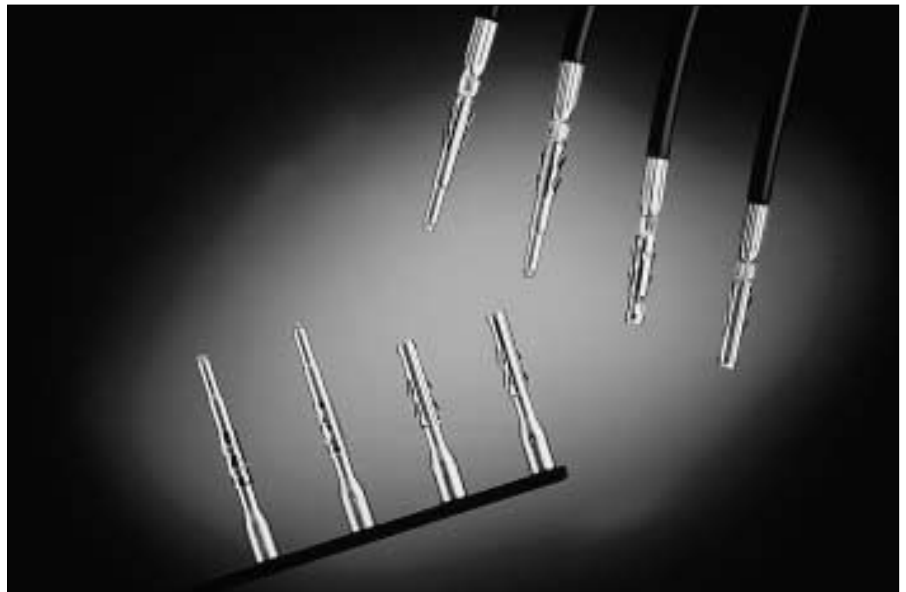
Size 16 RMDX/RCDX Monocrimp .063" (1.6mm) diameter contacts are one-piece monocrimp subminiature coaxial contacts to cover a wide range of subminiature coaxial and twisted pair cables. They provide cost effective solutions in applications where a mix of signal, power and coaxial cable terminations for low frequency, shielded signal and high frequency applications are needed. Monocrimp one piece coaxial contacts offer high reliability plus the economic advantage of a 95% reduction in installation time over conventional assembly methods currently in use.

Features and benefits

- The monocrimp one-piece coaxial contacts offer high reliability plus the economic advantage of a 95% reduction in installation time over conventional assembly methods.
- This economy is achieved by simultaneously crimping of both the inner and outer conductor

Performance characteristics

Operating voltage between inner / outer contact:	230 VDC
Test potential between inner / outer contact	450 VAC 1 min.
Operating temperature:	-55°C to +125°C
Contact retention in body:	65 N min.
Contact voltage drop a 1A:	30m V max.
Isolation at 30 MHZ:	140 db.



Construction

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Retaining spring: beryllium copper

Insulating bushing: Polyamide 6.6

Plating table

Retaining spring: Nickel plated

Inner and outer contacts:

D28: 0.75µ Gold min. over Nickel

Connector accommodation

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- SMS Qikmate
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- UT-Bantam
- UTG Metalok bantam
- UTP Full plastic bantam
- UTGS Shielded bantam
- MBG Bantamate II

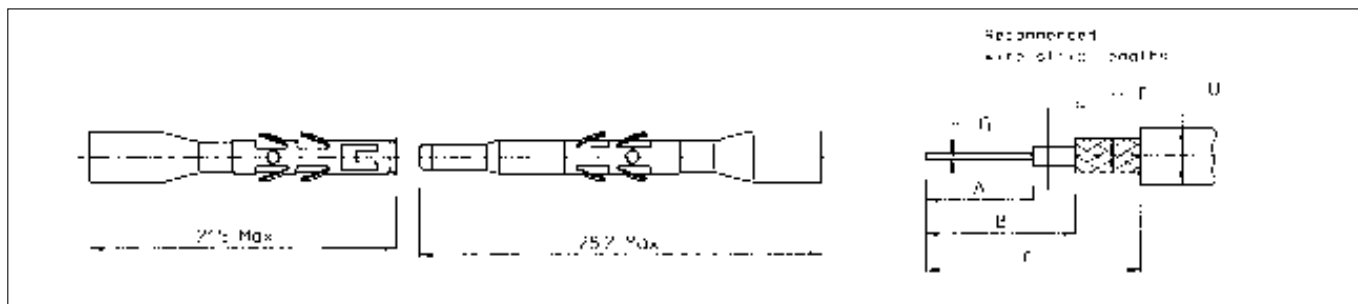
How to order

	RMDX60 RCDX60	36 36	D28 D28
Contact type:	RMDX = Male subminiature coax. RCDX = Female subminiature coax.		
Monocrimp design variation			
Plating indication			

RMDX/RCDX

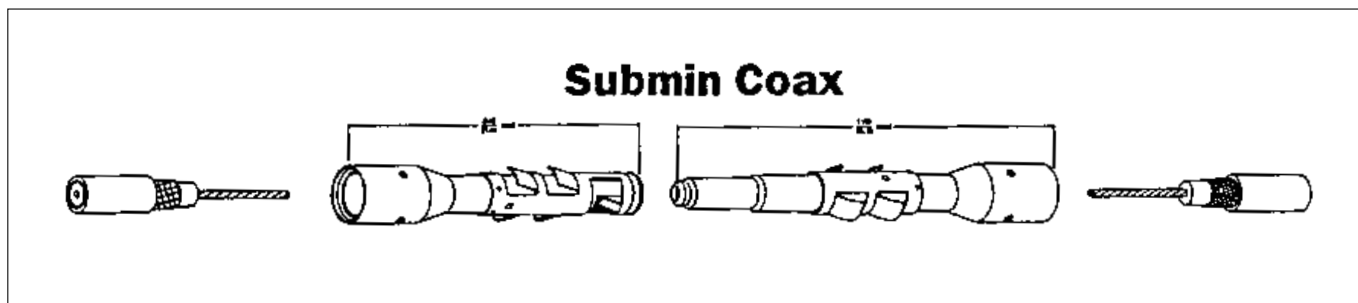


MONOCRIMP Subminiature coax



Part number	AWG inner conduct.	Cable type	Coax dimensions				Coax strip lengths			Crimp tool M10S1		Extraction tool
Male	Female		D max	E	F	G	A	B	C	Die set not incl.	stop bushing not incl.	
RMDX6050D28		-	2.64	2.11	1.70	0.30	5.1		8.9	S80		RX2025GE1 OR RX16D11D1
RCDX6050D28	30	-	2.29	1.63	1.22		4.2		8.5	S87		
RMDX6032D28		-	2.90	2.29	1.91	0.38			11.7	S80		
RCDX6032D28	28	-								S82		
RMDX6024D28		-	1.78	1.37	0.97	0.48						
RCDX6024D28		-										
RMDX6032D28		RG174/U	2.92	2.24	1.52	0.48	5.1	6.35		S80	SL105	
RCDX6032D28		-								S82		
RMDX6026D28		-	3.05	2.44	1.96	0.41						
RCDX6026D28	26	-										
RMDX6036D28		RG188A/U	2.79			0.51			11.7	S80		M10SG8* crimping kit
RCDX6036D28		RG316/U	2.72	1.98	1.52							
RMDX6018D28			2.62			0.53			8.9			
RCDX6018D28												
RMDX6018D28	26		2.34	1.70	1.27	0.64						
RCDX6018D28												

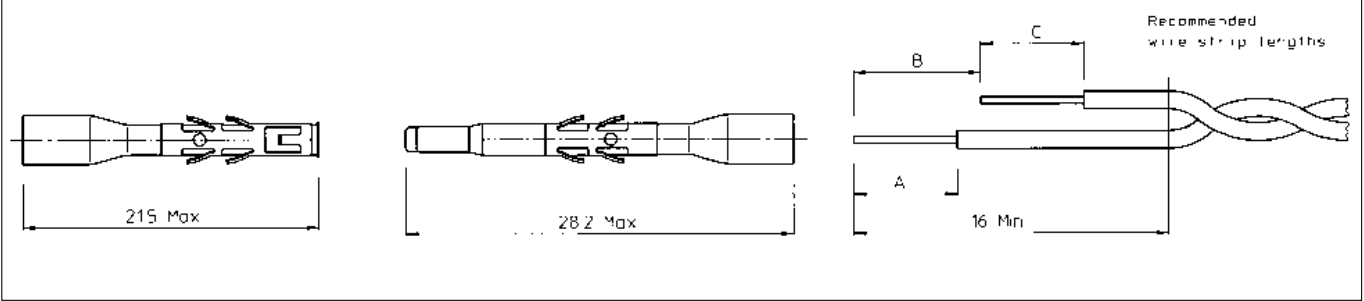
* M10SG8 consists of die set, stop bushing and M10S1 tool



RMDX/RCDX

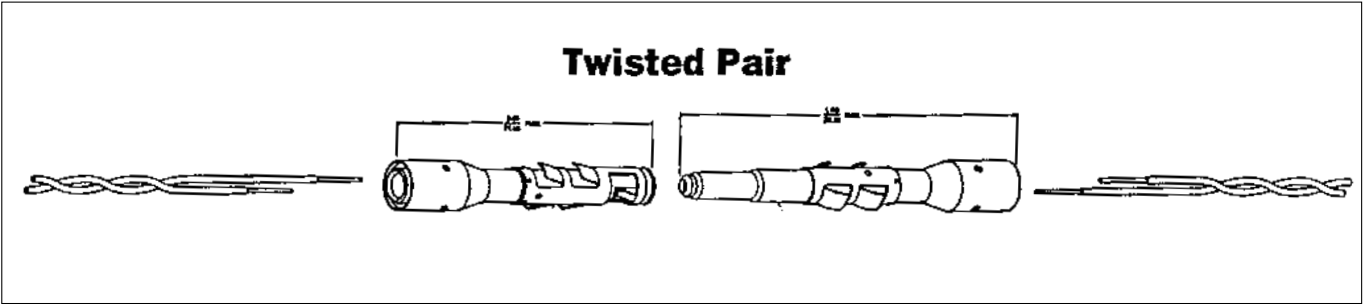


MONOCRIMP Twisted pair



Part number		AWG inner conduct.	Dia. outer jacket (single wire)	Cable strip lengths			Crimp tool M10S1		Extraction tool
Male	Female			A	B	C	Die set not incl.	Stop bushing not. incl.	
RMDX6019D28		26 (19 x 0.10)	1.25	4.7	6.0	4.0	M10SG8* Crimping kit		RX2025GE1 or RX16D11D1
RCDX6019D28		24 (7 x 0.20)	1.25						
		24 (19 x 0.13)	1.45						
RMDX6031D28		26 (7 x 0.16)	0.70				S80	SL105	
RCDX6031D28									

* M10SG8 consist of die set, stop bushing and M10S1 tool.



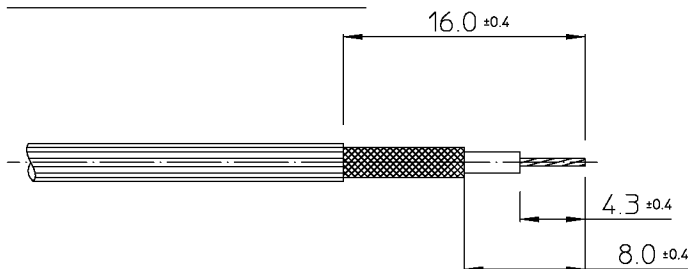
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BS,A , 200903,000,02

REV.	DATE	DESCRIPTION	BY	C'K'D'
01	03/04/97	Redrawn	A.J.	
02	18/10/01	Tooling corrected	P.B.	

INSTRUCTIONS FOR ASSEMBLING MALE COAXIAL CONTACT KIT RMDXK10D28
DIELECTRIC OVER 1.4 MM



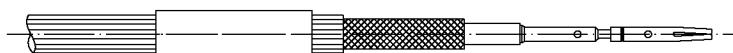
STEP 1:

Strip cable to dimensions shown.



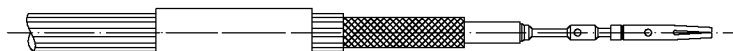
STEP 2:

Assemble hyring YOC-074 onto cable.



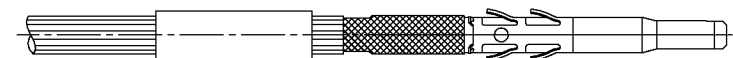
STEP 3:

Push inner socket onto wire. Ensure that contact is pushed right up to the diëlectric and no conductor is exposed.



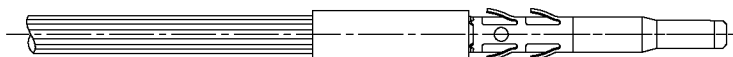
STEP 4:

Crimp inner socket with MH860 tool using positioner MH86166G and selector no. 1.



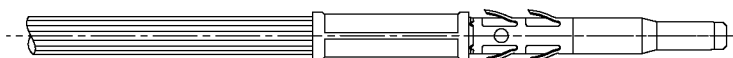
STEP 5:

Push inner socket into outer contact until inner socket is sensed to snap into place in the retaining feature. Ensure that the outer braid fits well down the outer contact body.




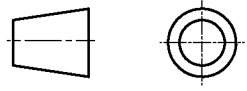
STEP 6:

Slide the hyring forward until it just butts against the spring.



STEP 7:

Crimp hyring YOC074 with MS10S1 tool using die-set S22-1 and stop bushing SL-47-1.

GEN. ST.	01	02	03	04	05	06	07	08	0D	50	60	70	80	90																	
INT. ST.	10	11	12	13	14	18	20	31	32	33	34	38	39	40	42	43	44	45	46	48	56	70	72	73	75	76	81	82	83	84	88
1DEC ±0,2 1DEC 2DEC ±0,1 2DEC ANGLES ±1° HOEKEN		APPR.		DATE		SIGN.		SUB MIN. COAX. ASSY INSTRUCTIONS - OUTER MALE ASSY																							
WE RESERVE THE RIGHT TO CHANGE DIMENSIONS OR REQUIREMENTS WITHOUT PRIOR NOTICE.		DRAFT		03-04-97		A. Janssens		CAT. No. RMDXK10D28																							
		CHECKED						<div>SOURIAU Route Nationale 23 72470 CHAMPAGNE</div> <div>SCALE</div>																							
		PROD. MGR.																													
ALL DIMENSIONS IN MM		PR. ENG. MGR.						BS,A , 200903,000,02 DRAWING NR. CUSTOMER DRAWING																							
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		REFERENCES / REFERENTIES																													