

USE AND MAINTENANCE MANUAL

ET10000-5 TRANSMITTER

TECHNICAL SECTION

Dear User,

First of all thank you for choosing an **ELENOS** product.

ELENOS products are solid state transmitters that develop power from a minimum of 10W to a maximum of 30KW.

Great care has been taken during the design of the protection circuitry to ensure compatibility with products from other manufacturers. However the best performance is achieved when the equipment is used with other products manufactured by **ELENOS**.

The unit has been designed to guarantee stable performances over time, without the need of special maintenance, minimised to a functional fans-check.

Operation of the unit is very easy and intuitive. Even so it is recommended that this manual and other relevant documentation is read carefully before any operation.

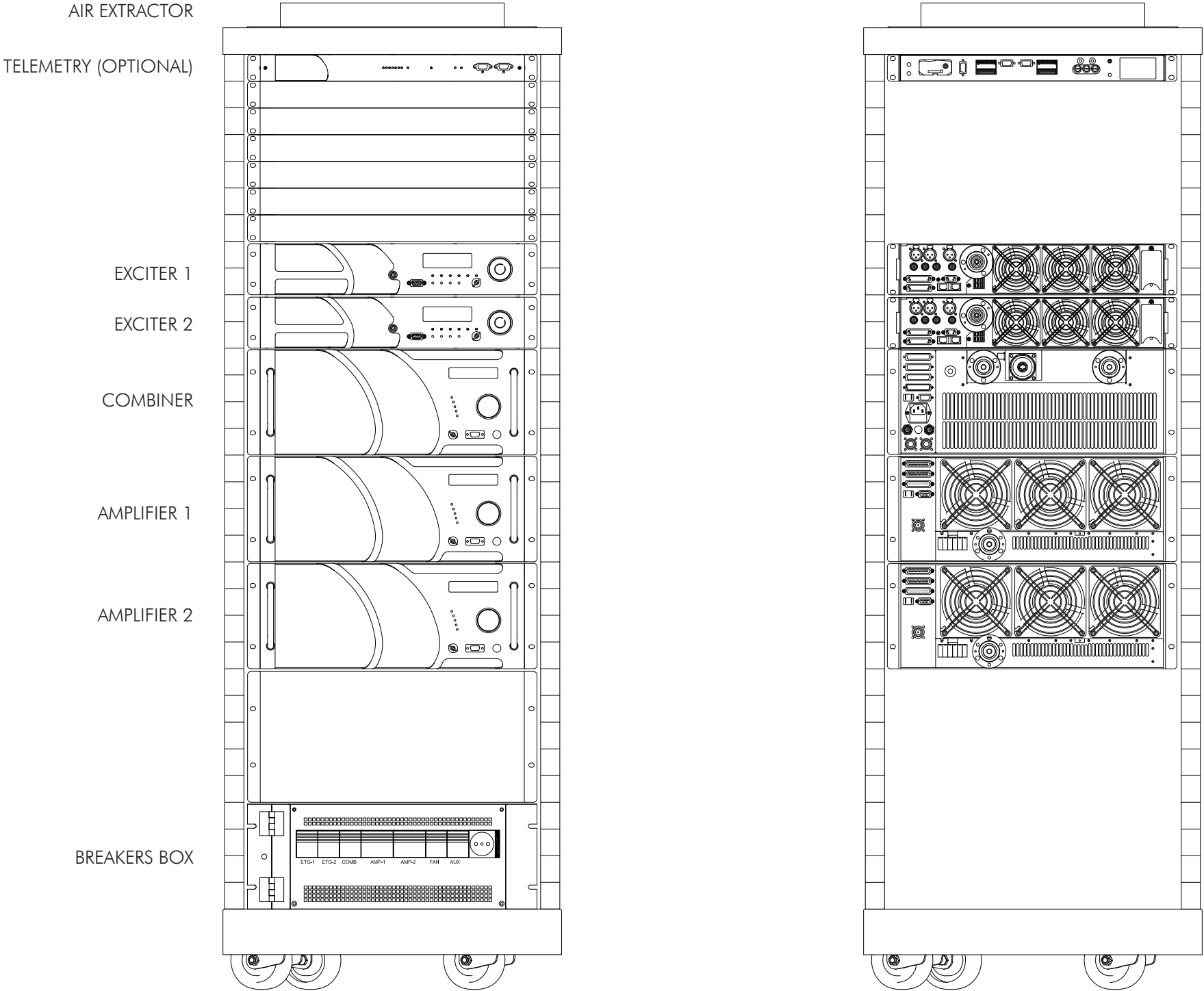
Customer Care

REVISION

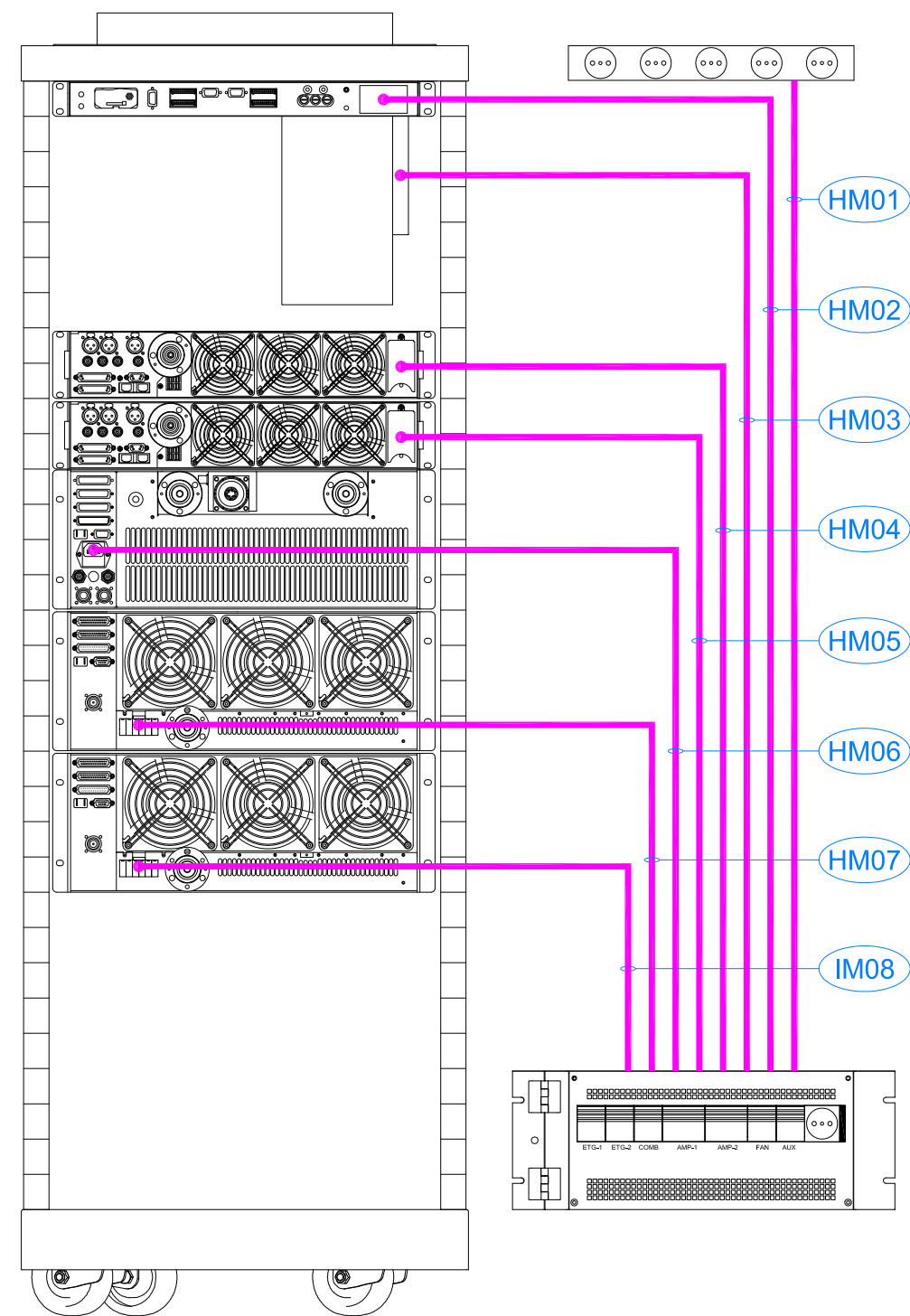
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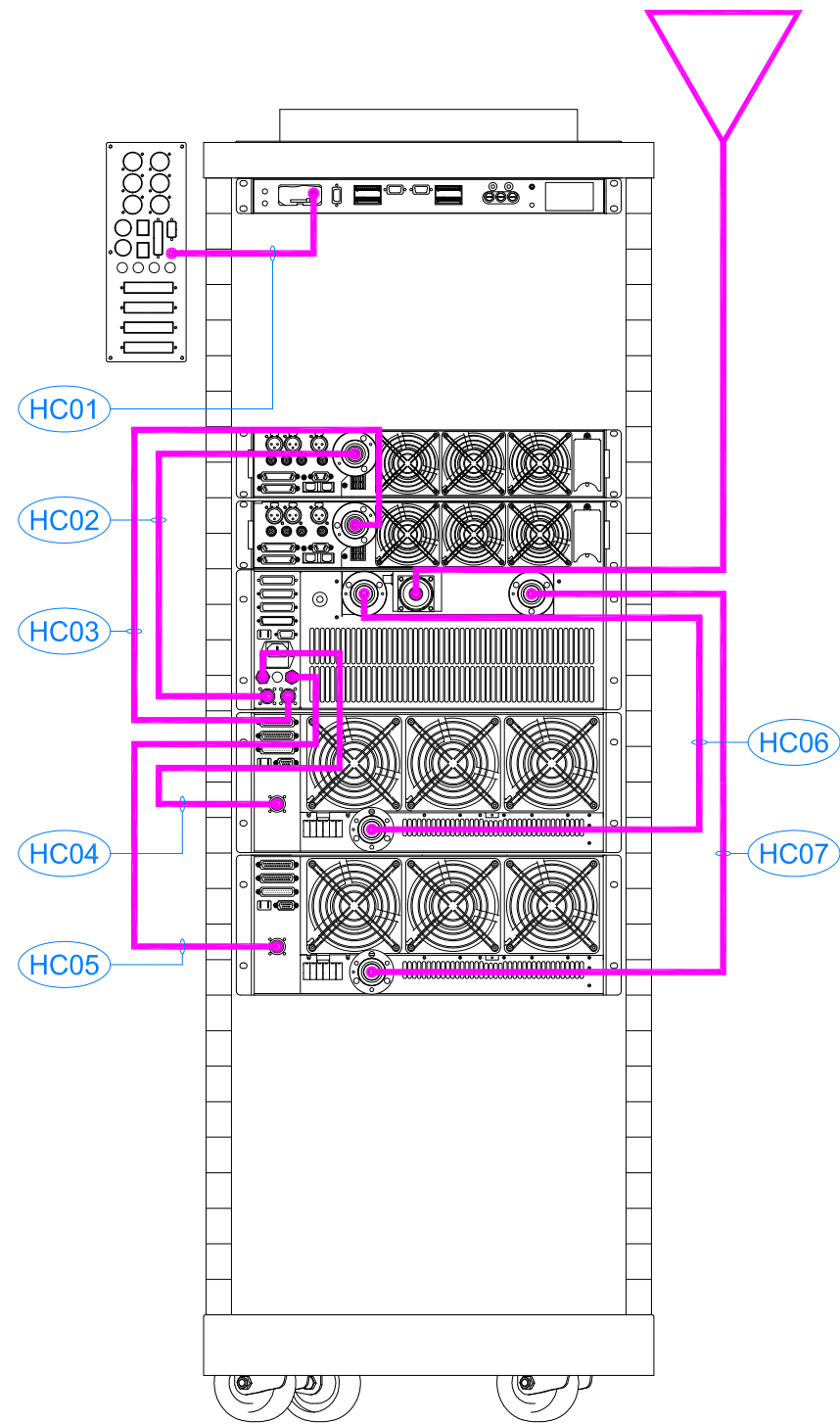
SYSTEM CONFIGURATION



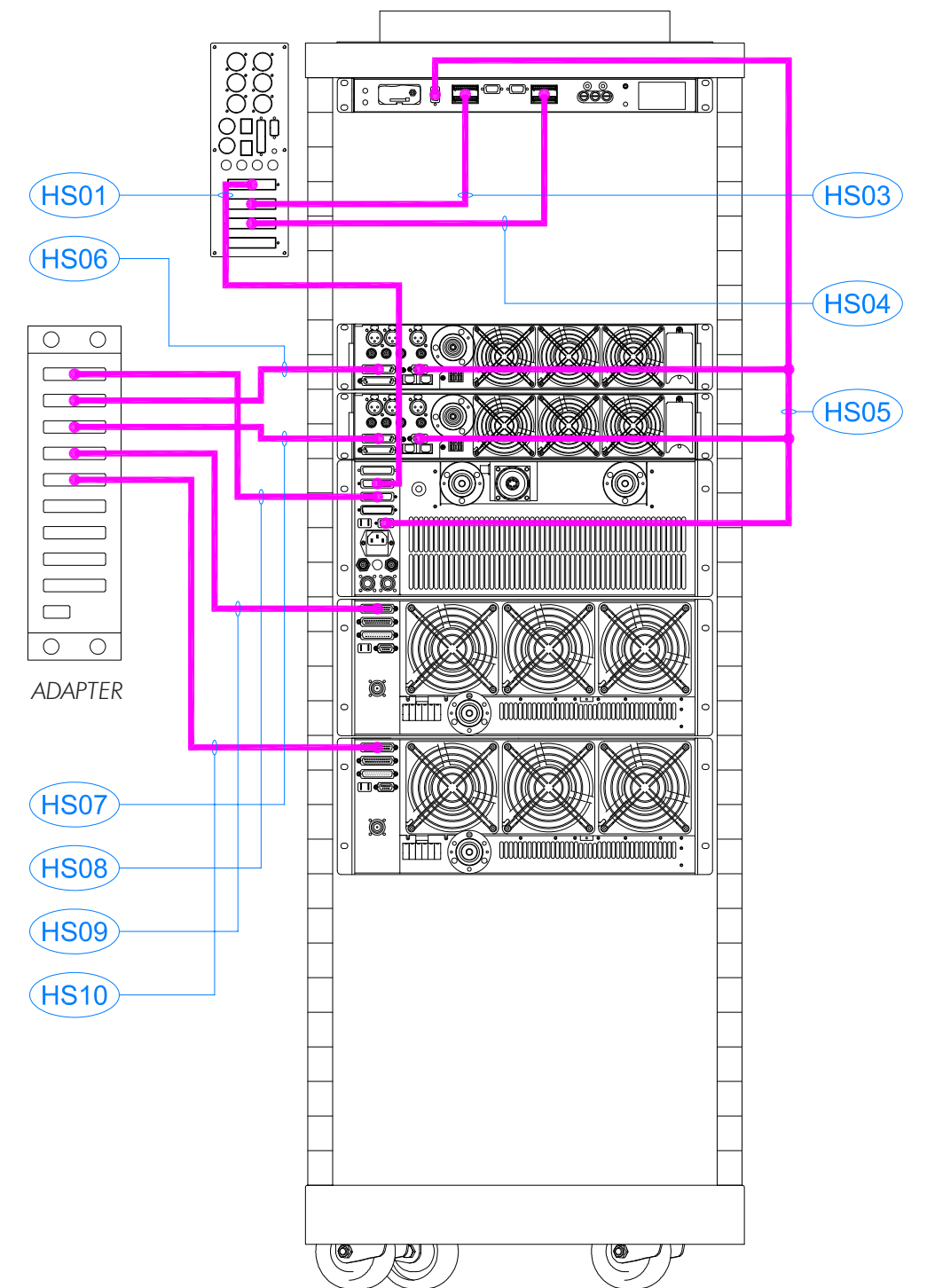
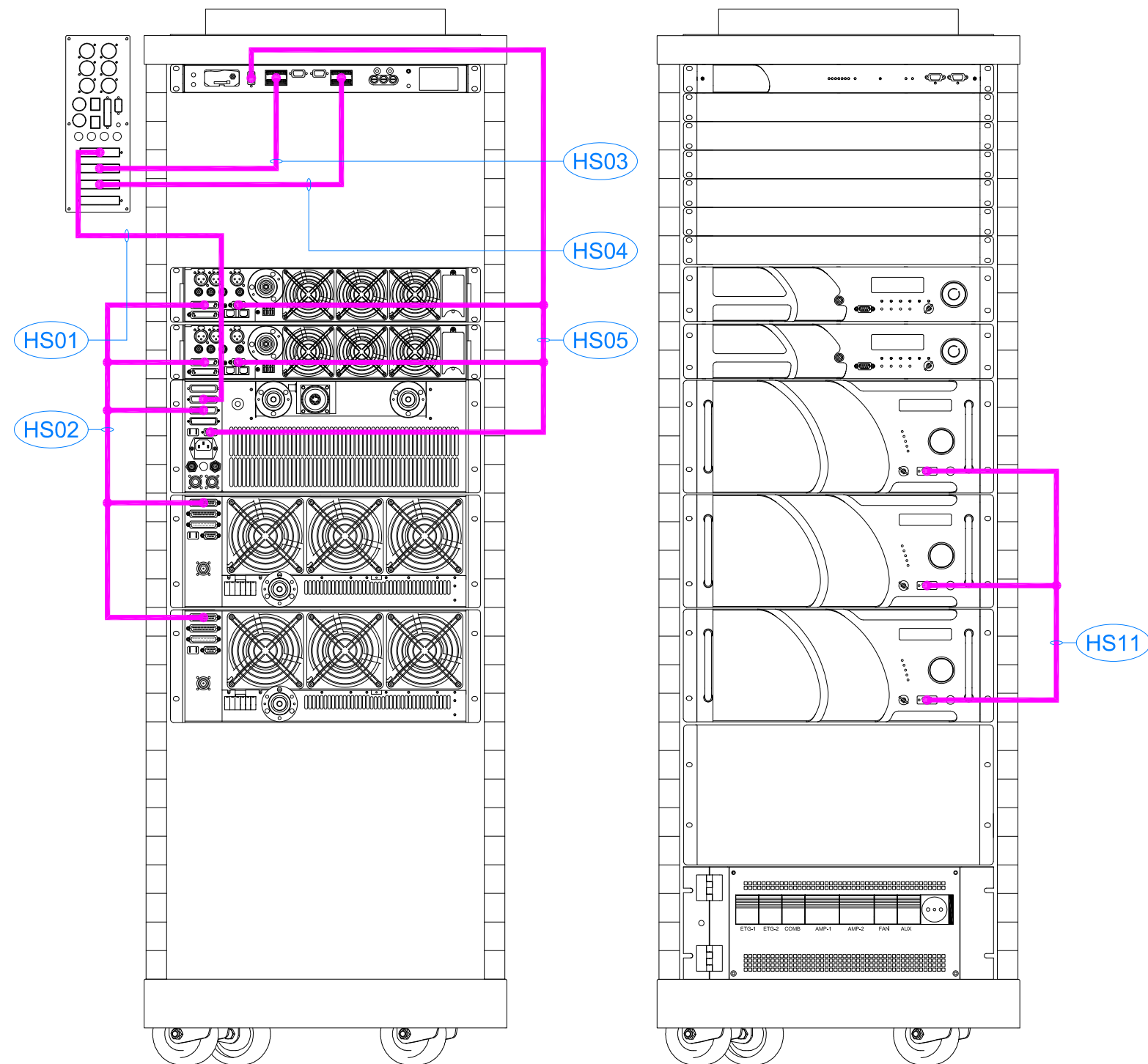
MAINS CONNECTIONS



RF CONNECTIONS



SIGNALS CONNECTIONS



AUDIO CONNECTIONS

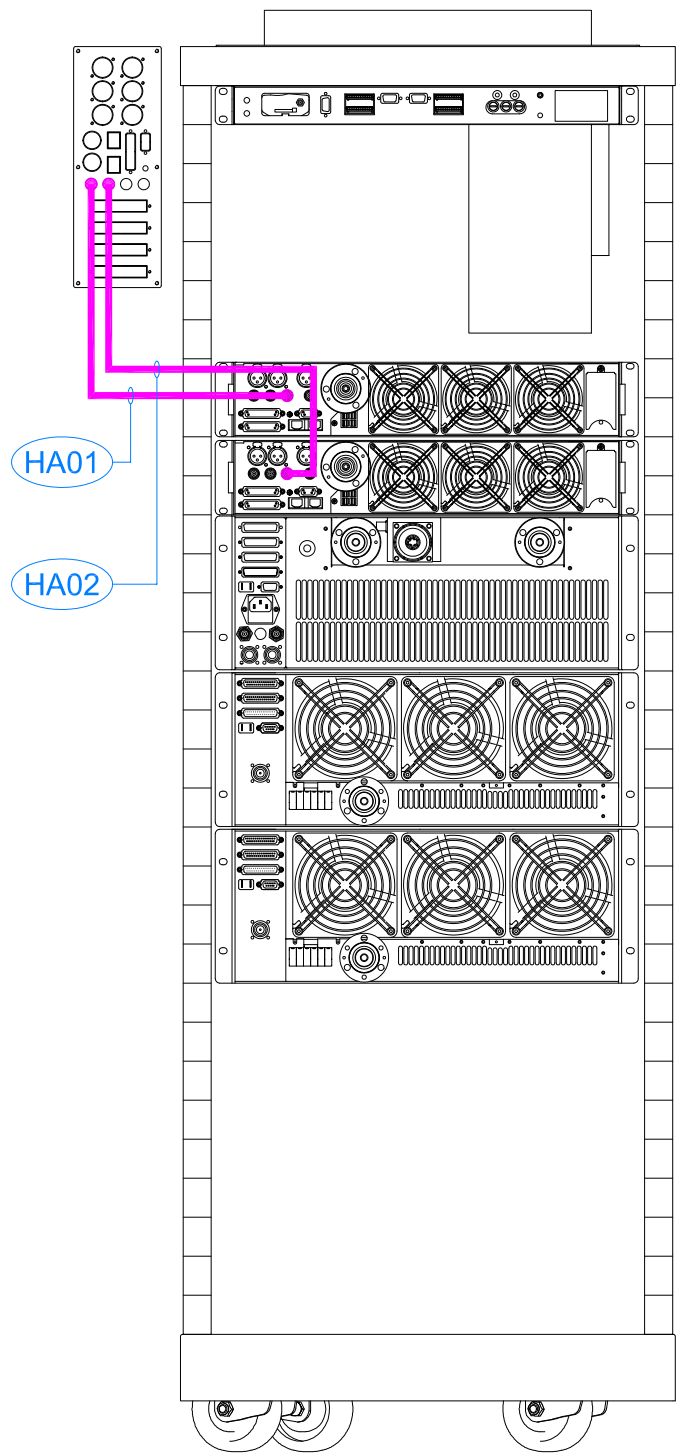
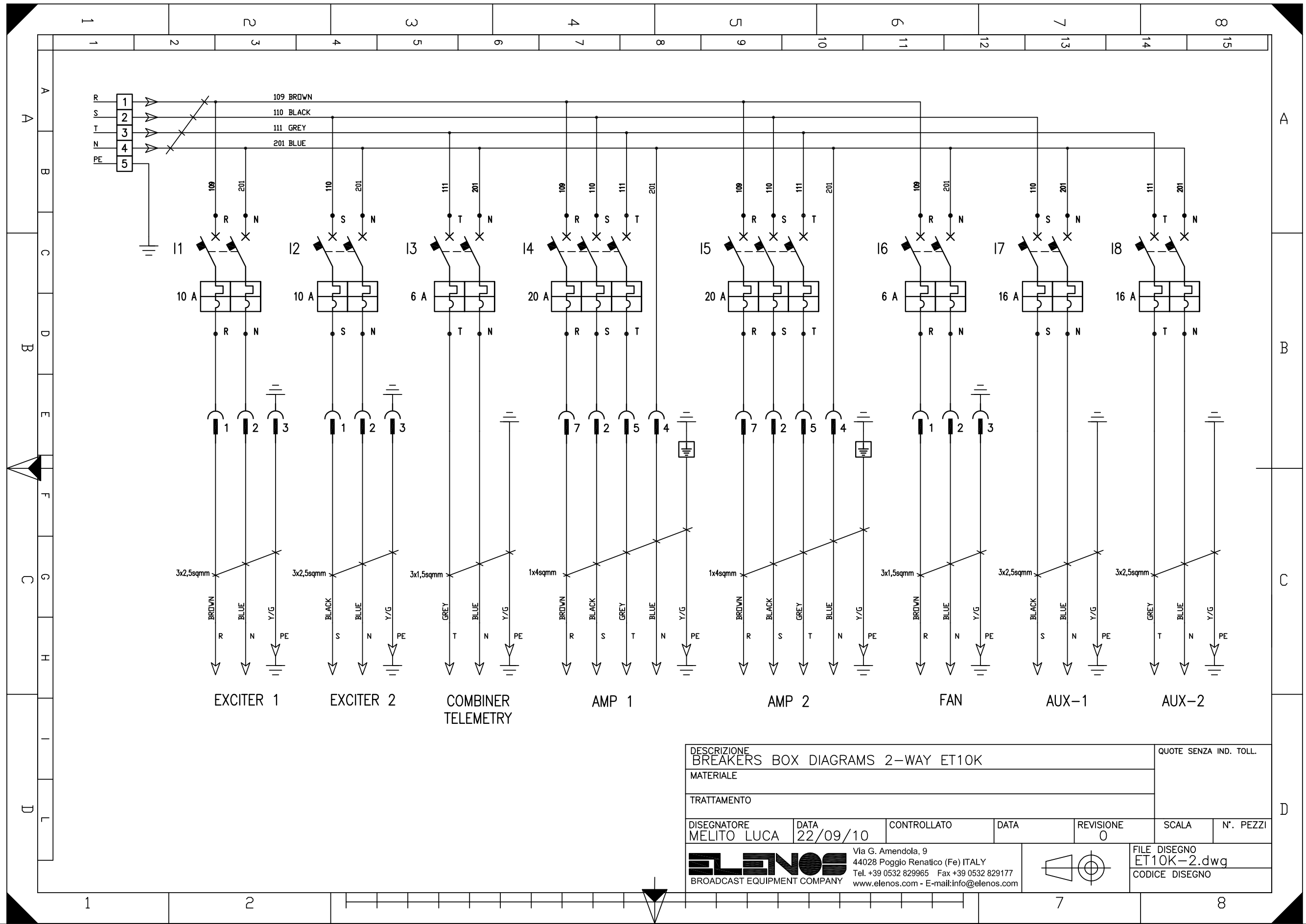
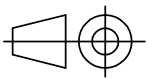


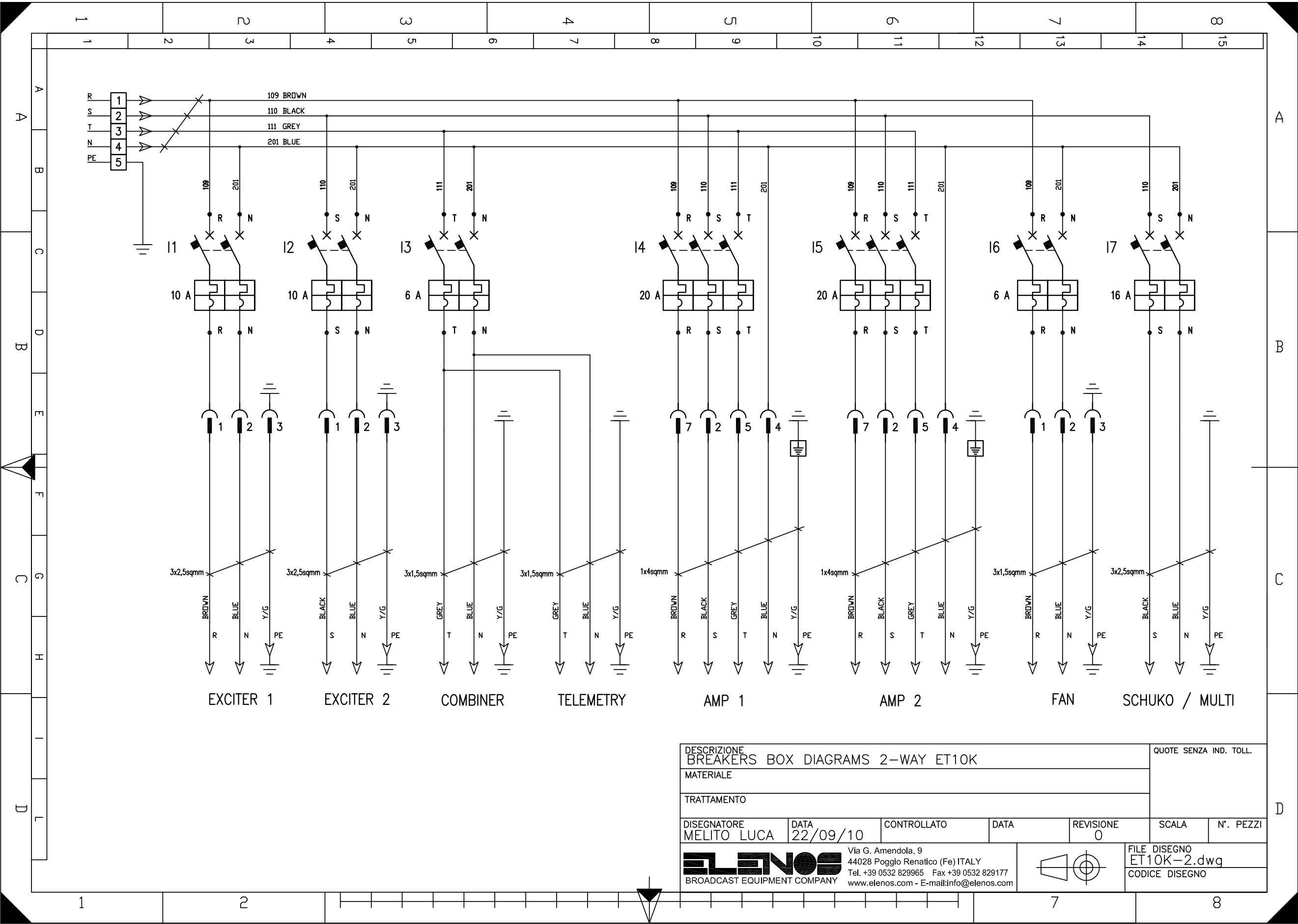
TABLE CONVERSION OF CONNECTIONS

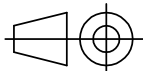
SCHEMATIC CODE	ELENOS CODE
HA01	CAB0135-0
HA02	CAB0135-0
HS01	CAB0313-1
HS02	CAB0466-0
HS03	CAB0320-0 (OPTION)
HS04	CAB0319-0 (OPTION)
HS05	CAB0281-0
HS06	CAB0324-0
HS07	CAB0324-0
HS08	CAB0324-0
HS09	CAB0324-0
HS10	CAB0324-0
HS11	CAB0304-1
HC01	CAB0370-0 (OPTION)
HC02	CSF-0022
HC03	CSF-0022
HC04	CAB0183-0
HC05	CAB0183-0
HC06	CAB0276-1
HC07	CAB0276-1
HA01	CAB0125-0
HA02	CAB0125-0

BREAKERS BOX SCHEMATIC

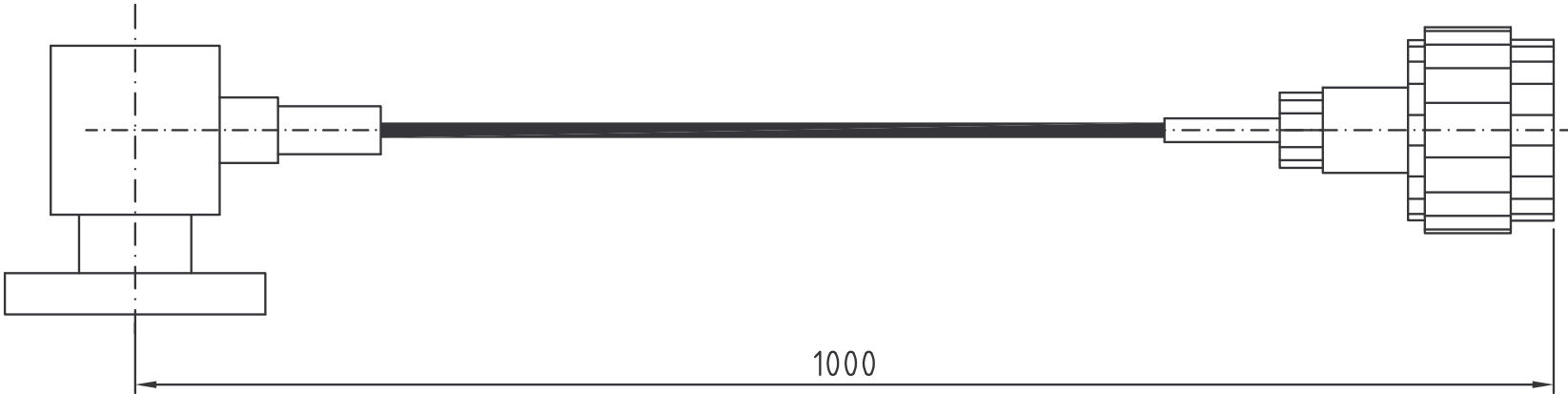


DESCRIZIONE BREAKERS BOX DIAGRAMS 2-WAY ET10K					QUOTE SENZA IND. TOLL.	
MATERIALE						
TRATTAMENTO						
DISEGNATORE MELITO LUCA	DATA 22/09/10	CONTROLLATO	DATA	REVISIONE 0	SCALA	N°. PEZZI
 BROADCAST EQUIPMENT COMPANY			Via G. Amendola, 9 44028 Poggio Renatico (Fe) ITALY Tel. +39 0532 829965 Fax +39 0532 829177 www.eLENOS.com - E-mail: info@elenos.com		 FILE DISEGNO ET10K-2.dwg CODICE DISEGNO	



DESCRIZIONE BREAKERS BOX DIAGRAMS 2-WAY ET10K					QUOTE SENZA IND. TOLL.	
MATERIALE						
TRATTAMENTO						
DISEGNATORE MELITO LUCA	DATA 22/09/10	CONTROLLATO	DATA	REVISIONE 0	SCALA	N°. PEZZI
 BROADCAST EQUIPMENT COMPANY					FILE DISEGNO ET10K-2.dwg	
					CODICE DISEGNO	
Via G. Amendola, 9 44028 Poggio Renatico (Fe) ITALY Tel. +39 0532 829965 Fax +39 0532 829177 www.eLENOS.com - E-mail: info@elenos.com						

CABLES

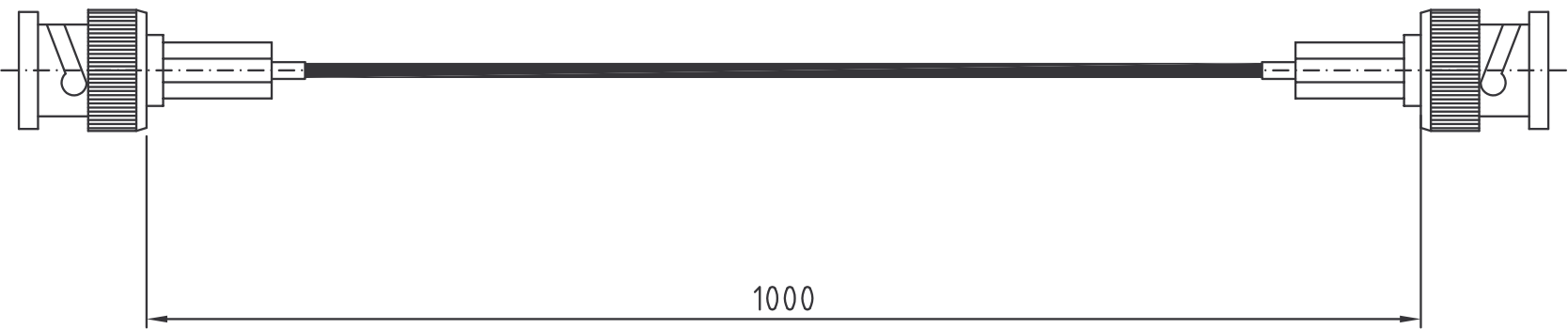


ELENCO DEI MATERIALI	
ARTICOLO	Q.TA'
CONNETTORE N MASCHIO VOLANE ACRIMPARE	1
CONNETTORE 7/16" MASCHIO A 90°	1
Cavo RG 213	1
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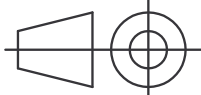
DESCRIZIONE CABLAGGIO N MASCHIO - 7/16" MASCHIO					QUOTE SENZA IND. TOLL. TUTTE LE QUOTE, SE NON DIVERSAMENTE SPECIFICATE, SI INTENDONO IN MILLIMETRI	
MATERIALE CAVO COASSIALE RG213 50 Ohm L= 1000mm						
NOTE						
DISEGNATORE NARDI DARIO	DATA 13/01/2006	CONTROLLATO	DATA	REVISIONE	SCALA	N°. PEZZI
 BROADCAST EQUIPMENT COMPANY					FILE DISEGNO CAB0125_0.DWG	
					CODICE DISEGNO CAB0125_0	
Via G. Amendola, 9 44028 Poggio Renatico (Fe) ITALY Tel. +39 0532 829965 Fax +39 0532 829177 www.elenos.com - E-mail:info@elenos.com						

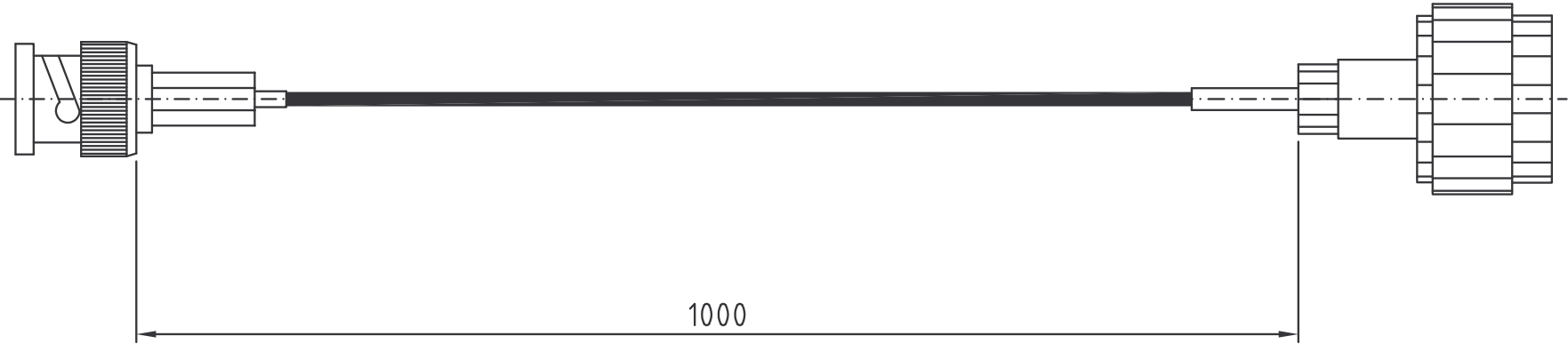
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Tel. +39 0532 829965 Fax +39 0532 829177
www.elenos.com - E-mail:info@elenos.com



ELENCO DEI MATERIALI	
ARTICOLO	Q.TA'
CONNETTORE BNC MASCHIO	2
Cavo RG 58	1
...	...
...	...
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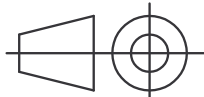


DESCRIZIONE CABLAGGIO ETG1 / ETG2 - PER E10k					QUOTE SENZA IND. TOLL. TUTTE LE QUOTE, SE NON DIVERSAMENTE SPECIFICATE, SI INTENDONO IN MILLIMETRI	
MATERIALE CAVO COASSIALE RG58 50 Ohm L= 1000mm						
NOTE						
DISEGNATORE SIMONE BERTI	DATA 24/01/07	CONTROLLATO	DATA	REVISIONE	SCALA	N°. PEZZI
 BROADCAST EQUIPMENT COMPANY					FILE DISEGNO CAB0135_0.DWG	
					CODICE DISEGNO CAB0135_0	

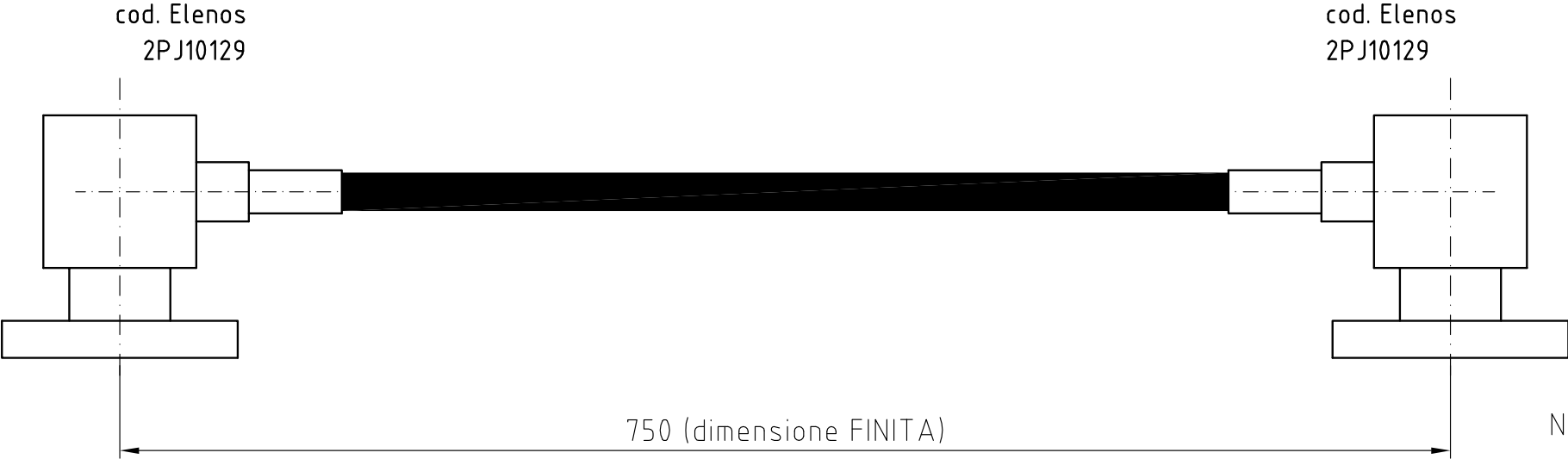


ELENCO DEI MATERIALI	
ARTICOLO	Q.TA'
CONNETTORE BNC MASCHIO	1
CONNETTORE N MASCHIO	1
Cavo RG 303	1
...	...
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DESCRIZIONE CABLAGGIO RF ETG - E3500 N MASCHIO - BNC MASCHIO					QUOTE SENZA IND. TOLL.	
MATERIALE CAVO COASSIALE RG303 50 Ohm L= 1000mm					TUTTE LE QUOTE, SE NON DIVERSAMENTE SPECIFICATE, SI INTENDONO IN MILLIMETRI	
NOTE						
DISEGNATORE NARDI DARIO	DATA 13/01/2006	CONTROLLATO	DATA	REVISIONE	SCALA	N°. PEZZI
 BROADCAST EQUIPMENT COMPANY					FILE DISEGNO CAB0183_0.DWG	
					CODICE DISEGNO CAB0183_0	
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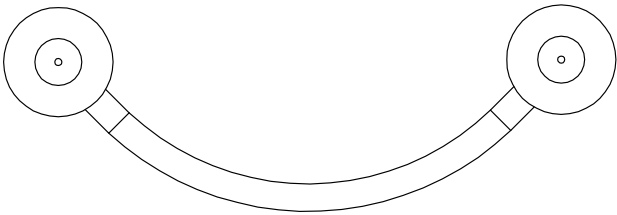
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44028 Poggio Renatico (Fe) ITALY
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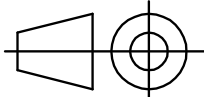
ELENCO DEI MATERIALI	
ARTICOLO	Q.TA'
Cab. 7/8" 90° - Connettore CM SHG.50.001 Rev./	2
Cavo RG393	800mm ca.
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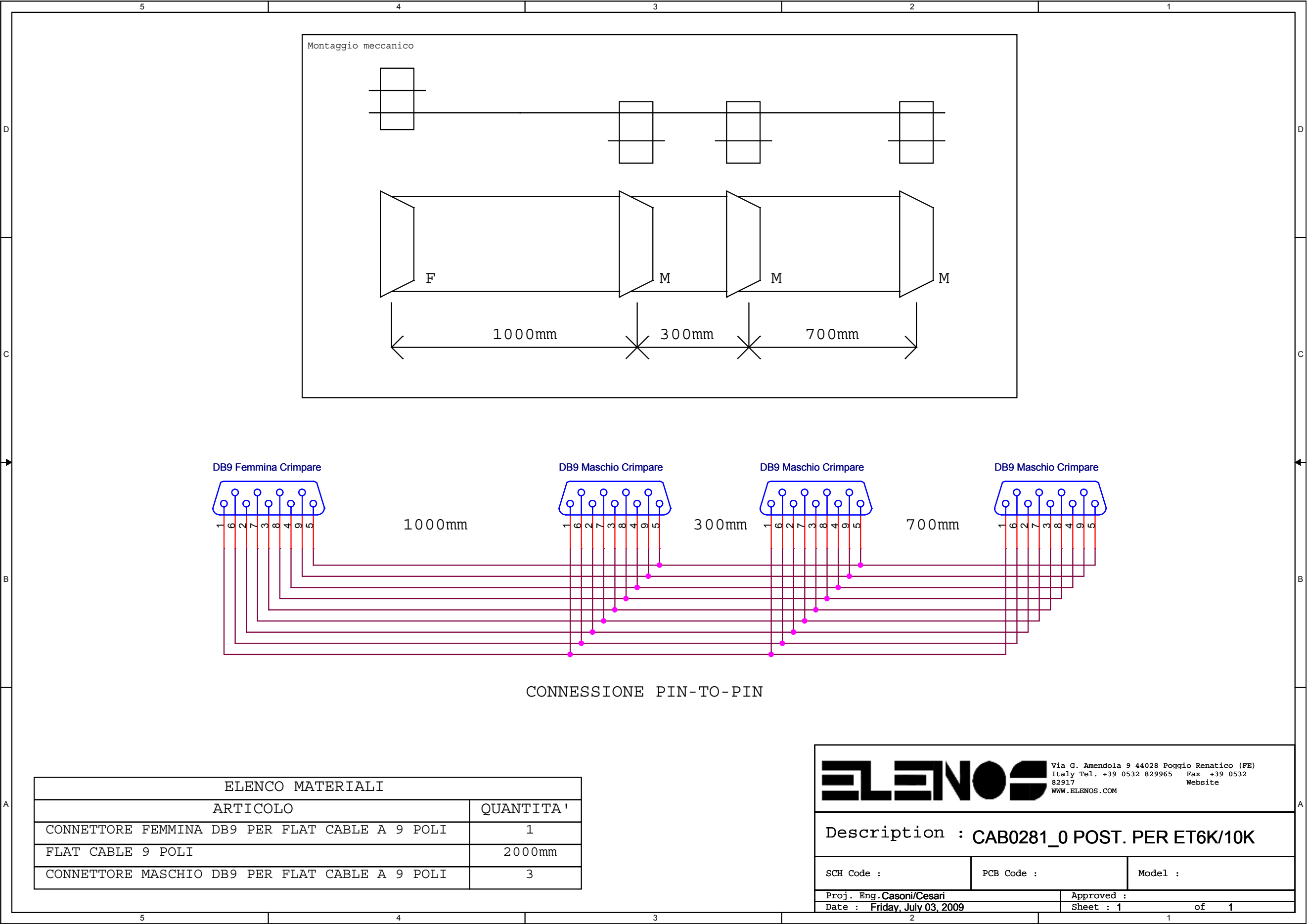
N.B. La lunghezza va intesa prendendo come riferimento i contatti centrali dei connettori, disposti come suggerito in figura.

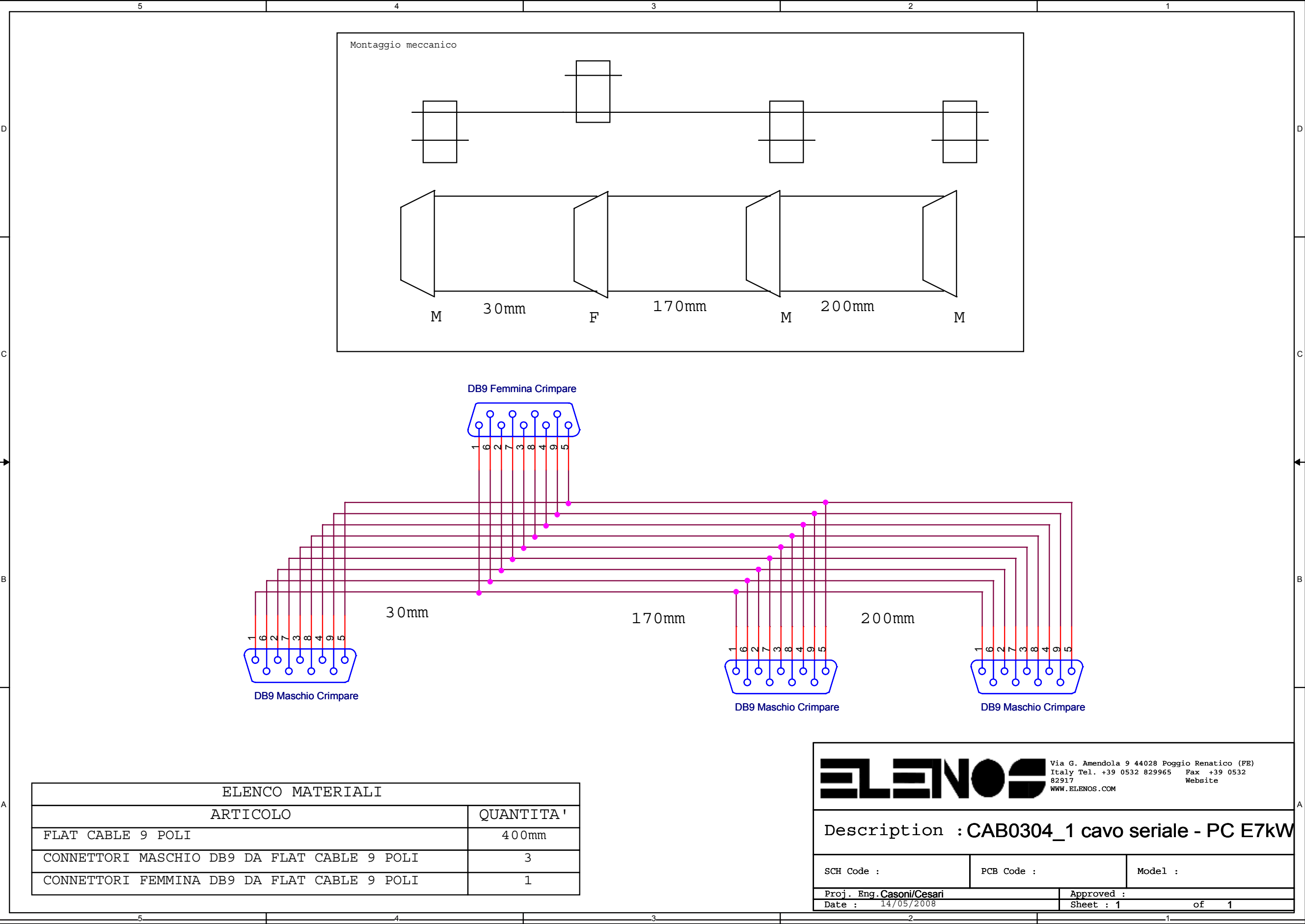
ATTENZIONE: orientare i connettori sullo stesso asse, in modo che la piega naturale del cavo ne favorisca il fianco.

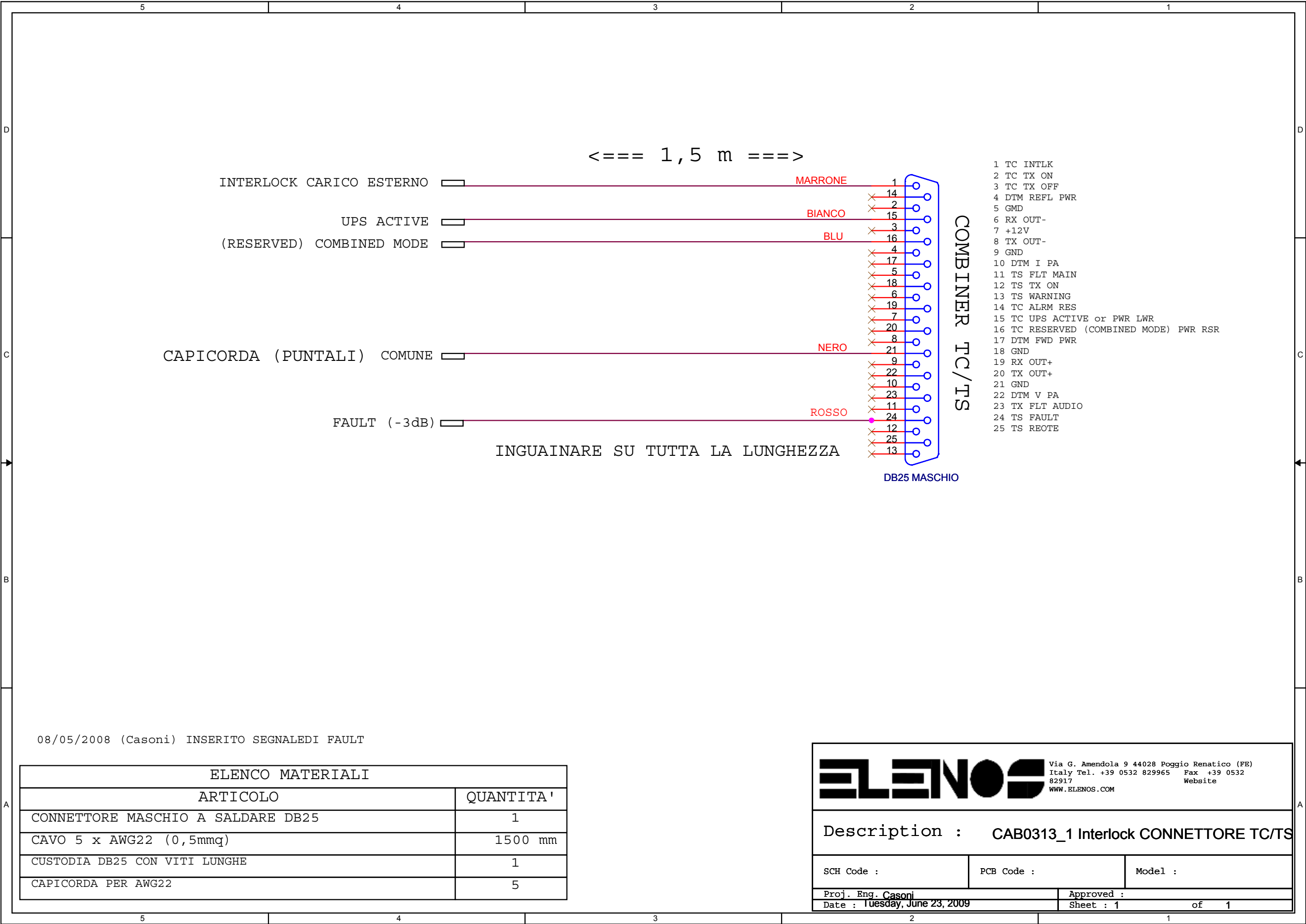


Esempio di realizzazione finita accettabile.

DESCRIZIONE Cablaggio 7/8" 90° - 7/8" 90°; per E10k					QUOTE SENZA IND. TOLL.	
MATERIALE					TUTTE LE QUOTE, SE NON DIVERSAMENTE SPECIFICATE, SI INTENDONO IN MILLIMETRI	
TRATTAMENTO						
DISEGNATORE MELITO L.	DATA 09/10/2008	CONTROLLATO	DATA	REVISIONE 1	SCALA	N°. PEZZI
 BROADCAST EQUIPMENT COMPANY					FILE DISEGNO CAB0276_1.dwg	
					CODICE DISEGNO CAB0276_1	







08/05/2008 (Casoni) INSERITO SEGNALE DI FAULT

ELENCO MATERIALI	
ARTICOLO	QUANTITA'
CONNETTORE MASCHIO A SALDARE DB25	1
CAVO 5 x AWG22 (0,5mmq)	1500 mm
CUSTODIA DB25 CON VITI LUNGHE	1
CAPICORDA PER AWG22	5

ELENOS

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WWW.ELENOS.COM

Description : CAB0313_1 Interlock CONNETTORE TC/TS

SCH Code :

PCB Code :

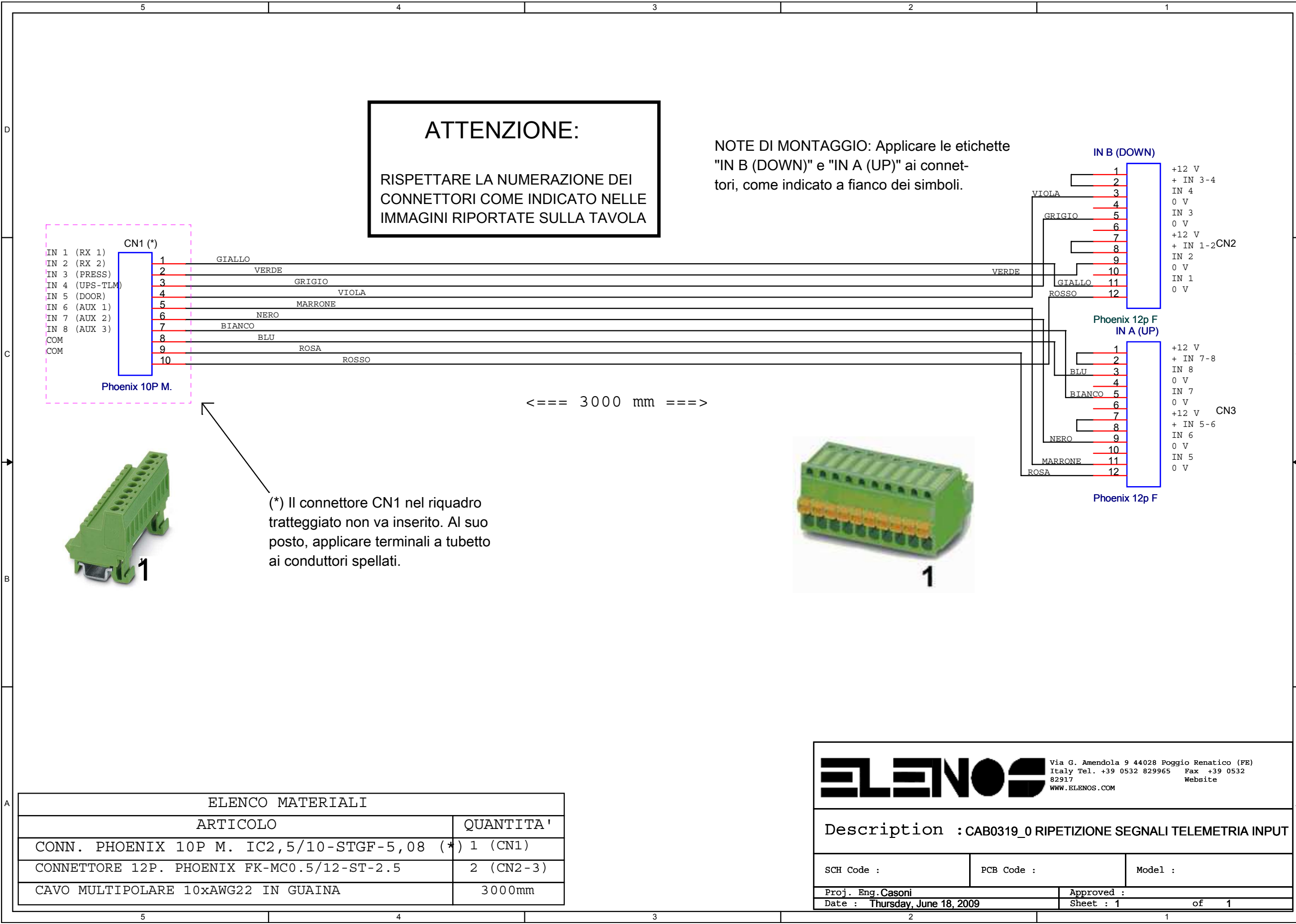
Model :

Proj. Eng. Casoni

Approved :

Date : Tuesday, June 23, 2009

Sheet : 1 of 1



ELENCO MATERIALI	
ARTICOLO	QUANTITA'
CONN. PHOENIX 10P M. IC2,5/10-STGF-5,08 (*)	1 (CN1)
CONNETTORE 12P. PHOENIX FK-MC0.5/12-ST-2.5	2 (CN2-3)
CAVO MULTIPOLARE 10xAWG22 IN GUAINA	3000mm

ELENOS

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WWW.ELENOS.COM Website

Description : CAB0319_0 RIPETIZIONE SEGNALI TELEMETRIA INPUT

SCH Code :

PCB Code :

Model :

Proj. Eng. Casoni

Approved :

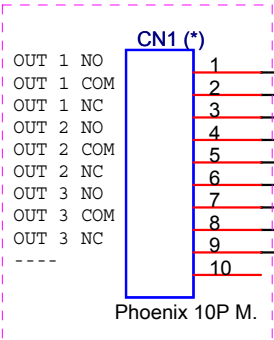
Date : Thursday, June 18, 2009

Sheet : 1 of 1

ATTENZIONE:

RISPETTARE LA NUMERAZIONE DEI CONNETTORI COME INDICATO NELLE IMMAGINI RIPORTATE SULLA TAVOLA

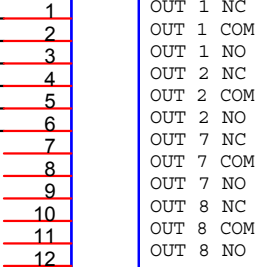
NOTE DI MONTAGGIO: Applicare le etichette "OUT B (DOWN)" e "OUT A (UP)" ai connettori, come indicato a fianco dei simboli.



(*) Il connettore CN1 nel riquadro tratteggiato non va inserito. Al suo posto, applicare terminali a tubetto ai conduttori spellati.

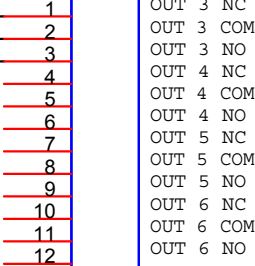
<=== 3000 mm ===>

OUT B (DOWN)

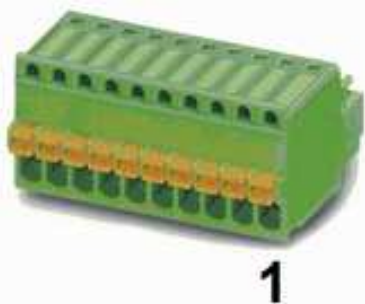


Phoenix 12p F

OUT A (UP)



Phoenix 12p F



ELENCO MATERIALI	
ARTICOLO	QUANTITA'
CONN. PHOENIX 10P M. IC2,5/10-STGF-5,08 (*)	1 (CN1)
CONNETTORE 12P. PHOENIX FK-MC0.5/12-ST-2.5	2 (CN2-3)
CAVO MULTIPOLARE 9xAWG22 IN GUAINA	3000mm

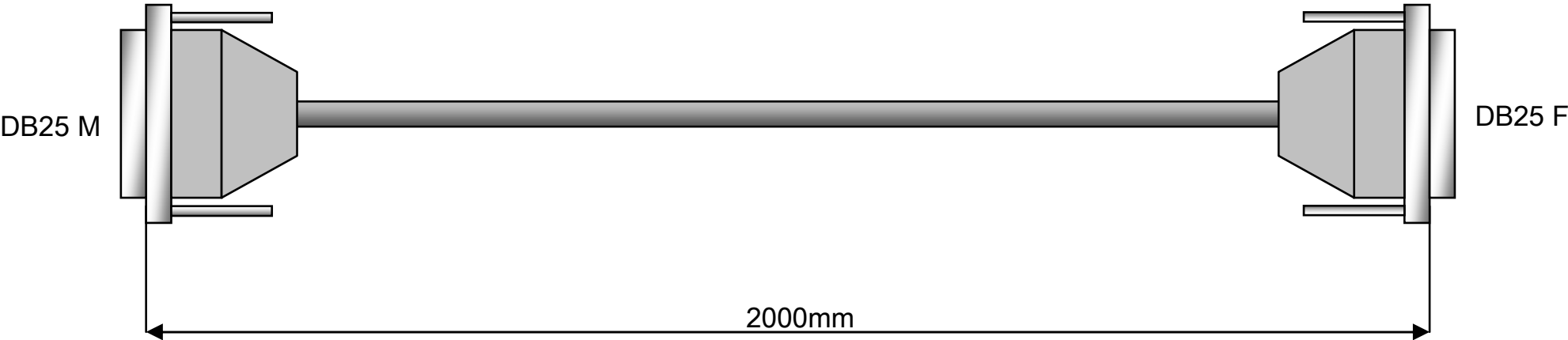


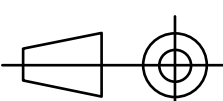
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Description : CAB0320_0 RIPETIZIONE SEGNALI TELEMETRIA OUTPUT

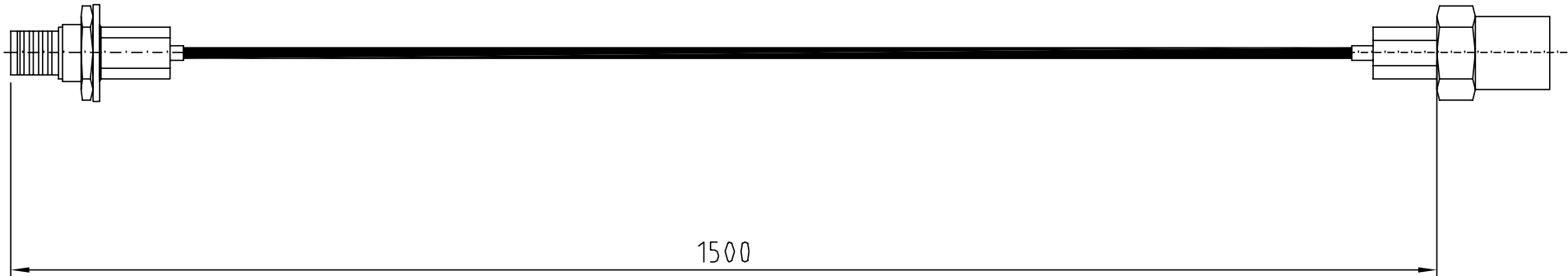
SCH Code :	PCB Code :	Model :
Proj. Eng. Casoni	Approved :	
Date : Thursday, June 18, 2009	Sheet : 1	of 1

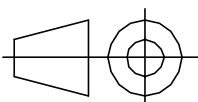
ELENCO DEI MATERIALI	
ARTICOLO	QUANTITA'
CONNETTORE DB25 FEMMINA VOLANTE A SALDARE	1
CONNETTORE DB25 MASCHIO VOLANTE A SALDARE	1
GUSCIO A VITI LUNGHE PER CONNETTORE DB5	2
CAVO MULTIPOLARE SCHERMATO 25 POLI + SCHERMO	2000mm ca.



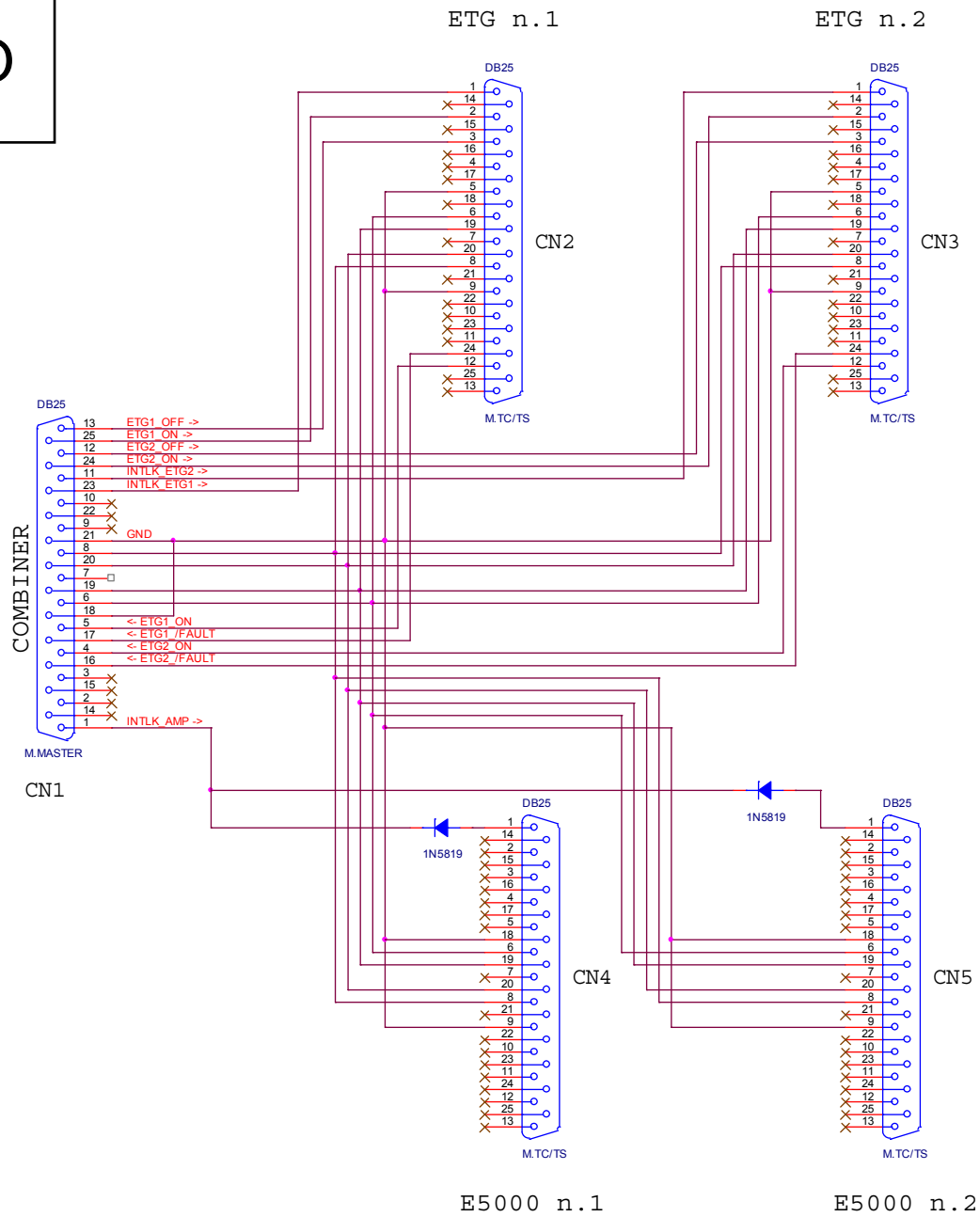
DESCRIZIONE CABLAGGIO PROLUNGA DB25 M/F L=2mt (MODELLO COMMERCIALE)					QUOTE SENZA IND. TOLL. TUTTE LE QUOTE, SE NON DIVERSAMENTE SPECIFICATO, SI INTENDONO IN MILLIMETRI	
MATERIALE						
TRATTAMENTO						
DISEGNATORE MELITO L.	DATA 09/04/2010	CONTROLLATO	DATA	REVISIONE 0	SCALA	N° PEZZI
					FILE DISEGNO CAB0324_0.DOC	
					CODICE DISEGNO CAB0324_0	

ELENCO MATERIALE	
ARTICOLO	Q.TA'
CAVO RG316 L= 1500	1
SMA MASCHIO DRITTO A CRIMPARE	1
SMA A VITONE FEMMINA DA PANNELLO A CRIMPARE	1



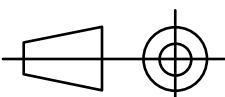
DESCRIZIONE CAVO RG316 PER TELEMETRIA					QUOTE SENZA IND. TOLL. TUTTE LE QUOTE, SE NON DIVERSAMENTE SPECIFICATE, SI INTENDONO IN MILLIMETRI	
MATERIALE						
NOTE						
DISEGNATORE SIMONE BERTI	DATA 21/02/2008	CONTROLLATO	DATA	REVISIONE 0	SCALA	N°. PEZZI
 BROADCAST EQUIPMENT COMPANY					FILE DISEGNO CAB0370_0.DWG	
					CODICE DISEGNO CAB0370_0	

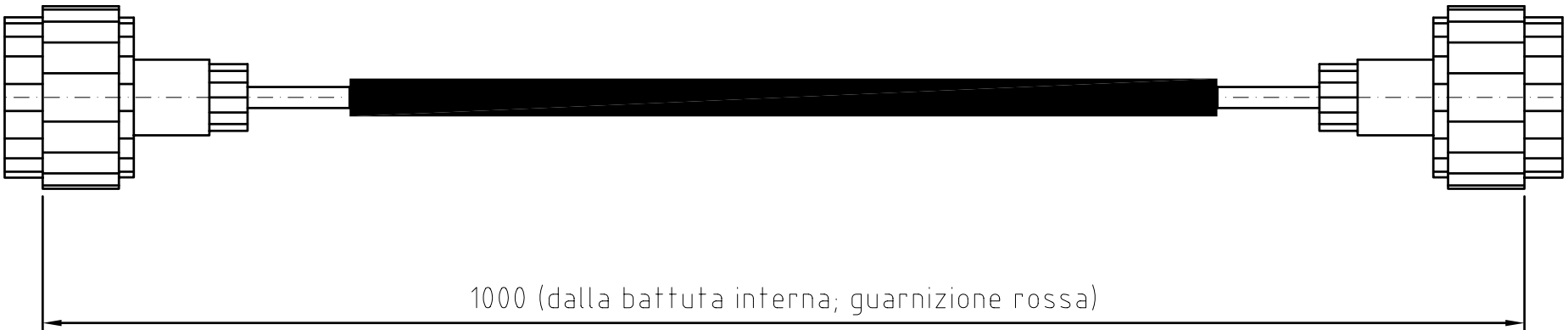
SCHEMA ELETTRICO



ELENCO DEI MATERIALI	
ARTICOLO	QUANTITA'
CONNETTORE DB25 MASCHIO VOLANTE A SALDARE	5
GUSCIO A VITI LUNGHE PER CONNETTORE DB25	5
DIODO 1N5819	2
CAVO MULTIPOLARE SCHERMATO IN GUAINA 10X0,25mmq + 5X0,25mmq	1800mm + 1200mm ca.
GUAINA TERMORESTRINGENTE	100mm ca.

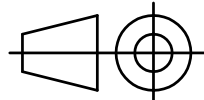
PER IL COSTRUTTIVO VEDERE LA
PAGINA SEGUENTE

DESCRIZIONE					QUOTE SENZA IND. TOLL. TUTTE LE QUOTE, SE NON DIVERSAMENTE SPECIFICATO, SI INTENDONO IN MILLIMETRI	
CABLAGGIO CONTROLLO CB10K – E5K – ETG PER SISTEMI COMBINATI A 2 VIE D.D.						
MATERIALE						
TRATTAMENTO						
DISEGNATORE MELITO L.	DATA 21/04/2010	CONTROLLATO	DATA	REVISIONE 0	SCALA	N° PEZZI
					FILE DISEGNO CAB0466_0.DOC	
					CODICE DISEGNO CAB0466_0	



ELENCO DEI MATERIALI	
ARTICOLO	Q.TA'
CONNETTORE N MASCHIO	2
Cavo RG 213	1
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DESCRIZIONE CABLAGGIO RF N MASCHIO - N MASCHIO					QUOTE SENZA IND. TOLL.	
MATERIALE CAVO COASSIALE RG213 50 Ohm L= 1000mm					TUTTE LE QUOTE, SE NON DIVERSAMENTE SPECIFICATE, SI INTENDONO IN MILLIMETRI	
NOTE						
DISEGNATORE SIMONE BERTI	DATA 08/11/2006	CONTROLLATO	DATA	REVISIONE 0	SCALA	N°. PEZZI
 BROADCAST EQUIPMENT COMPANY					FILE DISEGNO CSF-0022.DWG	
					CODICE DISEGNO CSF-0022_0	

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