

CABLE ASSEMBLY SCHEMES

for *West Input* cabling

Change History

Version	Date	Changes/Reasons
v1	2000	initial suspension cabling
v2	2003	added cabling of sensors and actuators on Filter #7
v3r0	mar08	added TCS cabling
v3r1	4mar10	Added 2 temperature sensors close to the RefMass

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Informazioni generali

Ciascun spezzone di cavo va terminato ad una estremità da un connettore circolare 32 poli (tipo presa), all'altra estremità con uno o più connettori Lemo multipolari (generalmente tipo spina). I cavi sono del tipo:

- cavo piatto a 18 conduttori trefolati AWG 24, isolati in goretex, a coppie ritorte e schermate singolarmente (cavo STP).
- cavo assemblato in lab a conduttori solidi AWG 18, isolati in polimide, a coppie ritorte (cavo TP).
- cavo assemblato in lab a conduttori solidi AWG 22, isolati in polimide, a triplete ritorte (cavo TT).

Identificazione componenti

- Ciascun cavo è identificato da una lettera dell'alfabeto.
- Il tipo di cavo utilizzato è indicato in prossimità del disegno: la sigla comprende il numero di coppie di conduttori, il tipo di schermatura (STP, TP, TT), la sezione (es. AWG24). Es.: la sigla **9.STP.AWG24** specifica un tipo di cavo avente 18 conduttori intrecciati e schermati a coppie, di sezione AWG24
- Ciascun conduttore di un cavo STP è identificato da un numero cardinale relativo alla coppia (**1** per la coppia bianco/rossa a seguire fino ad **9** per le altre coppie bianco/gialle), da una lettera (**A** per il conduttore con isolante a strisce rosse, **B** per l'altro conduttore della coppia, **S** per la calza) (es. la calza nella terza coppia, è identificata da **3.S**).
- Ciascun connettore Lemo è identificato da due caratteri: il primo è la lettera del cavo sul quale è saldato il connettore, il secondo è un numero cardinale, che va da 1 al n. max di connettori Lemo sullo stesso cavo (es. per il cavo **B** terminato da due Lemo, essi sono identificati da **B1** e **B2**)
- I contatti di ciascun connettore Lemo sono identificati dal nome del connettore, seguito dal numero del contatto indicato sull'isolante del connettore (es. il contatto¹ n. 4 che si trova sul connettore Lemo **B3** è identificato da **B3.4**)
- I contatti di ciascun connettore circolare a 32 poli sono identificati da lettere (A-Z, a-z). Per quelli interni vale il pinout serigrafato sul retro dell'isolante, per quelli esterni vale il pinout standard

¹ Nel caso di conduttori Lemo, il contatto n. 1 è quello col semicerchio bianco, i successivi sono quelli lungo la linea bianca che parte dal contatto n. 1.

Legenda

F1 +	motore, fase 1, positivo
F1 -	motore, fase 1, negativo
F2 +	motore, fase 2, positivo
F2 -	motore, fase 2, negativo
FC fw	motore, fine corsa, forward
FC bw	motore, fine corsa, backward
FC com	motore, fine corsa, comune
RST up	motore, reostato, terminale superiore
RST down	motore, reostato, terminale inferiore
RST com	motore, reostato, comune o cursore
TP sx +	thermal probe, sinistro, positivo
TP sx -	thermal probe, sinistro, negativo
TP dx +	thermal probe, destro, positivo
TP dx -	thermal probe, destro, negativo
Ls	LVDT, secondario
Lp	LVDT, primario
C +	coil attuatore, positivo
C -	coil attuatore, negativo
fbk	accelerometro, feedback
V _H	Voltmetrico alto
V _L	Voltmetrico basso
A _H	Amperometrico alto
A _L	Amperometrico basso

LEMO pinout of the main devices

ACCELEROMETER	
LEMO contacts	Contact descript.
1	Lp
2	Lp
3	F1 +
4	F1 -
5	F2 +
6	F2 -
7	FC sx
8	FC dx
9	FC com
10	fbk
11	fbk
12	Ls
13	Ls
14	
15	
16	
17	
18	

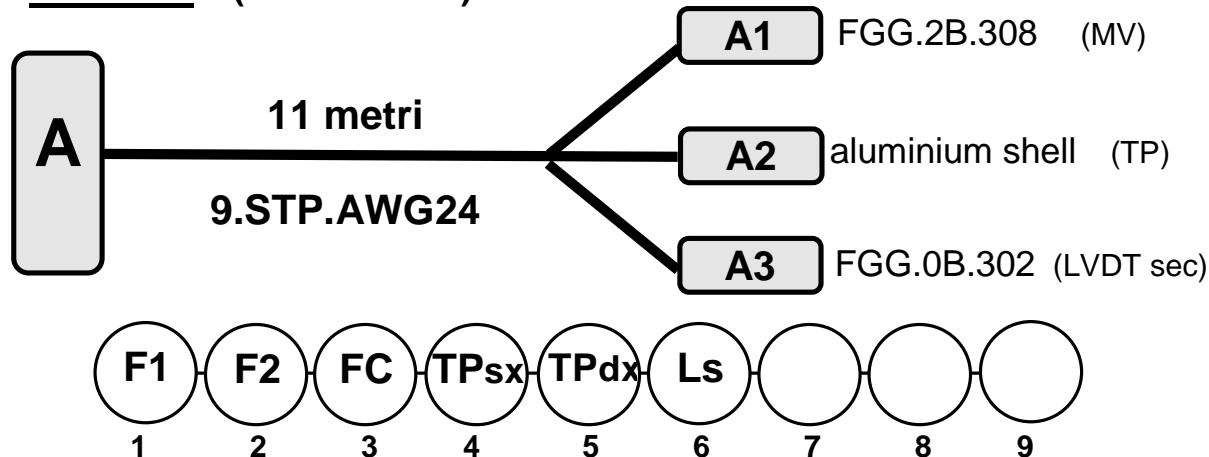
LVDT		
LEMO contacts	Contact descript.	
1	Lp +	
2	Lp -	
3	Ls +	
4	Ls -	

MOTOR		
LEMO contacts	Contact descript.	UTG 12p contacts
1	F1 +	A
2	F1 -	B
3	F1 shield	C
4	F2 +	D
5	F2 -	E
6	F2 shield	F
7	FC fw	G
8	FC bw	H
	FC com	J
	n.c.	

COIL		
LEMO contacts	Contact descript.	
1	C +	
2	C -	

TILT METER		
LEMO contacts	Contact descript.	UTG 12p contacts
1	1 +	A
2	1 -	B
3	E1	C
4	2 +	D
5	2 -	E
6	E2	F
7	n.c.	
8	n.c.	

cable A (vacuum side)



Cutting and Stripping phase

Date: 22 may 00

Operator: M. Ceccanti

Reel: P

Crimping and Labeling phase

Date: 22 may 00

Operator: M. Ceccanti

Duration (hours): 2.5

Quality Control phase

Date:

Operator:

Cleaning and Storage phase

Date:

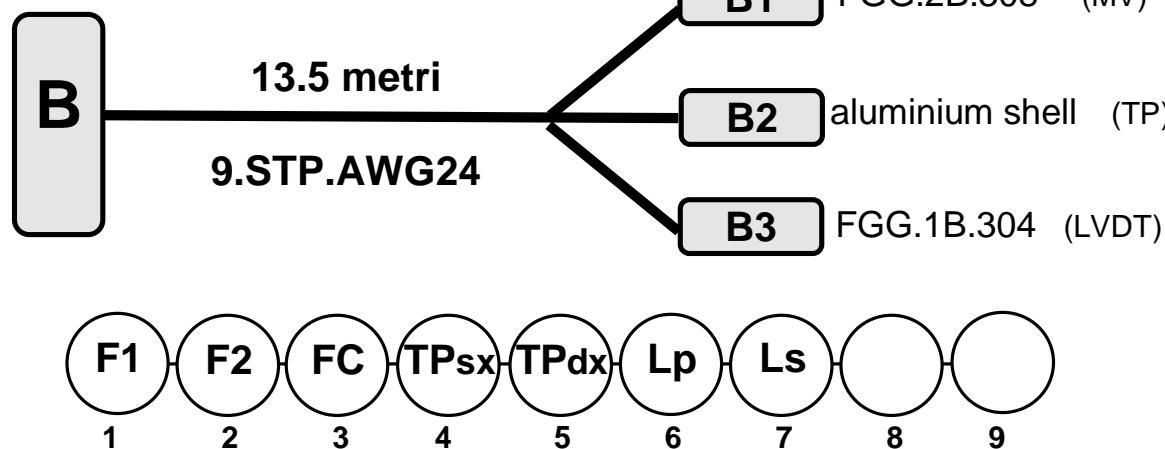
Operator:

Notes:

Diramare a 60 cm

MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A	A1.1	F1 +
B	1.B	A1.2	F1 -
C	1.S	n.c.	
D	2.A	A1.3	F2 +
E	2.B	A1.4	F2 -
F	2.S	n.c.	
G	3.A	A1.5	FC fw
H	3.B	A1.6	FC bw
J	3.S	A1.7	FC com
K	4.A	A2	TP sx +
L	4.B	A2	TP sx -
M	4.S	n.c.	
N	5.A	A2	TP dx +
P	5.B	A2	TP dx -
R	5.S	n.c.	
S	6.A	A3.1	Ls
T	6.B	A3.2	Ls
U	6.S	n.c.	
V	7.A		
W	7.B		
X	7.S		
Y	8.A		
Z	8.B		
a	8.S		
b	9.A		
c	9.B		
d	9.S		

cable B (vacuum side)



Cutting and Stripping phase	
Date: 5 may 00	
Operator: M. Ceccanti	
Reel: M	

Crimping and Labeling phase	
Date: 5 may 00	
Operator: M. Ceccanti	
Duration (hours): 2.5	

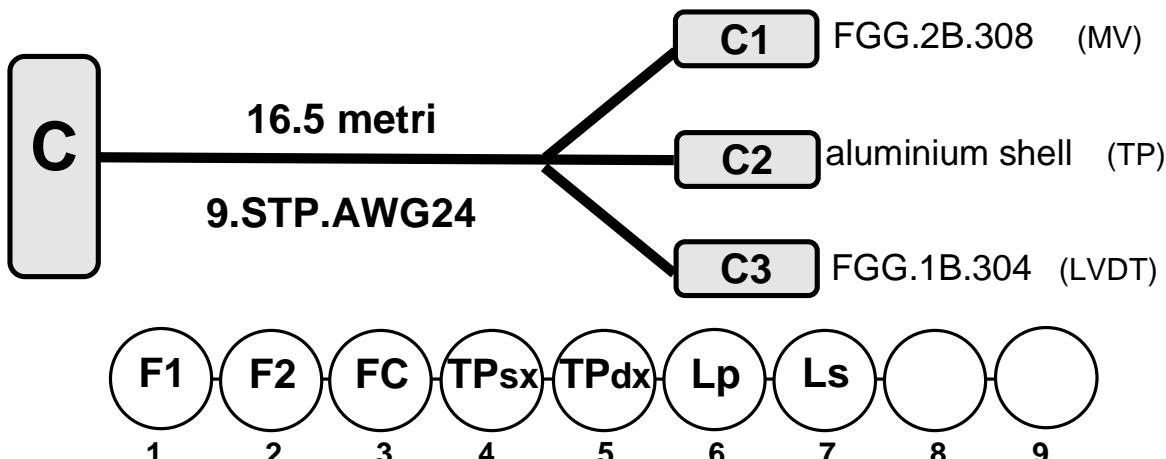
Quality Control phase	
Date: 5 may 00	
Operator: M. Ceccanti	

Cleaning and Storage phase	
Date:	
Operator:	

Notes:
Diramare a 60 cm

MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A	B1.1	F1 +
B	1.B	B1.2	F1 -
C	1.S	n.c.	
D	2.A	B1.3	F2 +
E	2.B	B1.4	F2 -
F	2.S	n.c.	
G	3.A	B1.5	FC fw
H	3.B	B1.6	FC bw
J	3.S	B1.7	FC com
K	4.A	B2	TP sx +
L	4.B	B2	TP sx -
M	4.S	n.c.	
N	5.A	B2	TP dx +
P	5.B	B2	TP dx -
R	5.S	n.c.	
S	6.A	B3.1	L _p
T	6.B	B3.2	L _p
U	6.S	n.c.	
V	7.A	B3.3	L _s
W	7.B	B3.4	L _s
X	7.S	n.c.	
Y	8.A		
Z	8.B		
a	8.S		
b	9.A		
c	9.B		
d	9.S		

cable C (vacuum side)



Cutting and Stripping phase	
Date: 8 may 00	
Operator: M. Ceccanti	
Reel: P	

Crimping and Labeling phase	
Date: 8 may 00	
Operator: M. Ceccanti	
Duration (hours): 3	

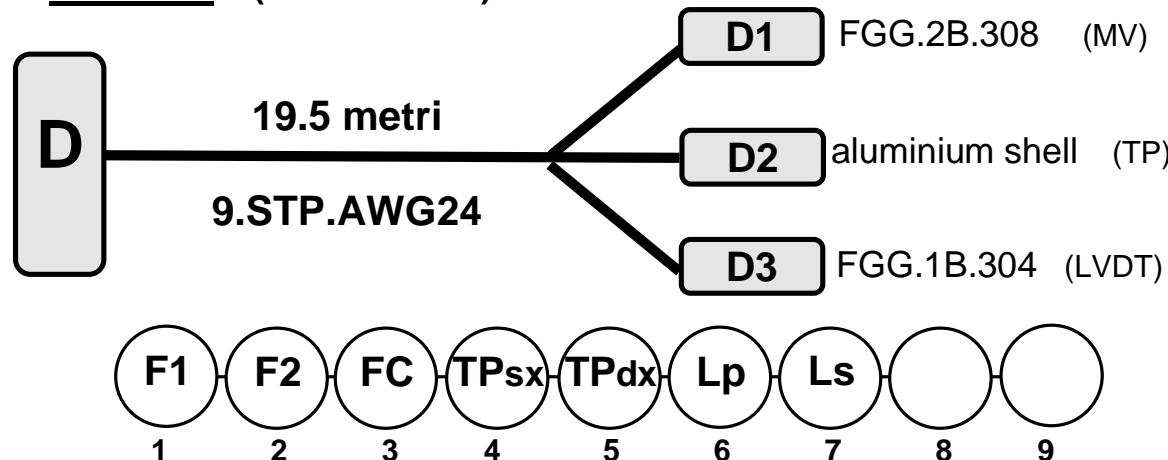
Quality Control phase	
Date: 8 may 00	
Operator: M. Ceccanti	

Cleaning and Storage phase	
Date:	
Operator:	

Notes:
Diramare a 60 cm

MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A	C1.1	F1 +
B	1.B	C1.2	F1 -
C	1.S	n.c.	
D	2.A	C1.3	F2 +
E	2.B	C1.4	F2 -
F	2.S	n.c.	
G	3.A	C1.5	FC fw
H	3.B	C1.6	FC bw
J	3.S	C1.7	FC com
K	4.A	C2	TP sx +
L	4.B	C2	TP sx -
M	4.S	n.c.	
N	5.A	C2	TP dx +
P	5.B	C2	TP dx -
R	5.S	n.c.	
S	6.A	C3.1	L _p
T	6.B	C3.2	L _p
U	6.S	n.c.	
V	7.A	C3.3	L _s
W	7.B	C3.4	L _s
X	7.S	n.c.	
Y	8.A		
Z	8.B		
a	8.S		
b	9.A		
c	9.B		
d	9.S		

cable D (vacuum side)



Cutting and Stripping phase

Date: 8 may 00

Operator: M. Ceccanti

Reel: O

Crimping and Labeling phase

Date: 8 may 00

Operator: M. Ceccanti

Duration (hours): 2.5

Quality Control phase

Date: 8 may 00

Operator: M. Ceccanti

Cleaning and Storage phase

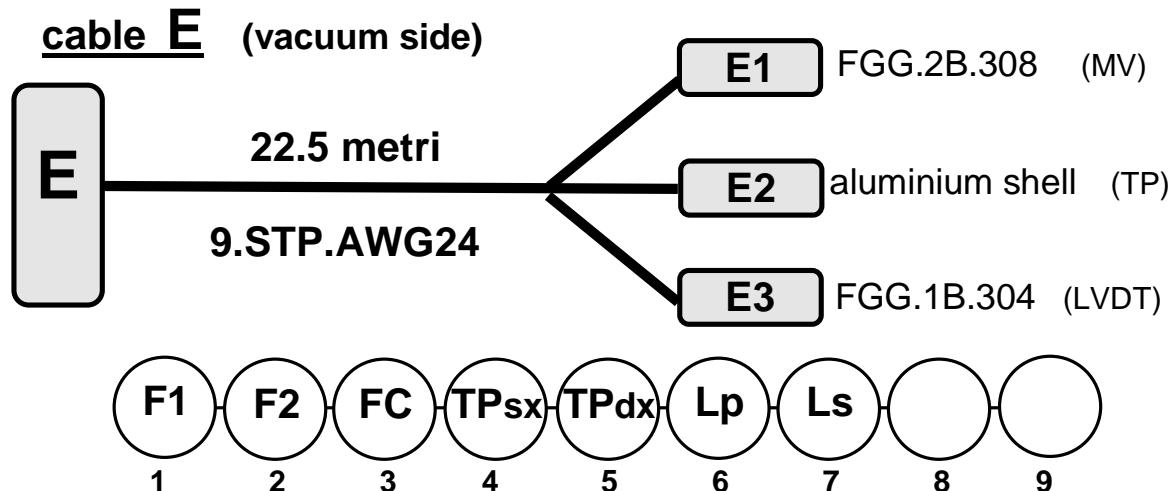
Date:

Operator:

Notes:

Diramare a 60 cm

MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A	D1.1	F1 +
B	1.B	D1.2	F1 -
C	1.S	n.c.	
D	2.A	D1.3	F2 +
E	2.B	D1.4	F2 -
F	2.S	n.c.	
G	3.A	D1.5	FC fw
H	3.B	D1.6	FC bw
J	3.S	D1.7	FC com
K	4.A	D2	TP sx +
L	4.B	D2	TP sx -
M	4.S	n.c.	
N	5.A	D2	TP dx +
P	5.B	D2	TP dx -
R	5.S	n.c.	
S	6.A	D3.1	Lp
T	6.B	D3.2	Lp
U	6.S	n.c.	
V	7.A	D3.3	Ls
W	7.B	D3.4	Ls
X	7.S	n.c.	
Y	8.A		
Z	8.B		
a	8.S		
b	9.A		
c	9.B		
d	9.S		



Cutting and Stripping phase	
Date: 22 may 00	
Operator: M. Ceccanti	
Reel: P	

Crimping and Labeling phase	
Date: 22 may 00	
Operator: M. Ceccanti	
Duration (hours): 2.5	

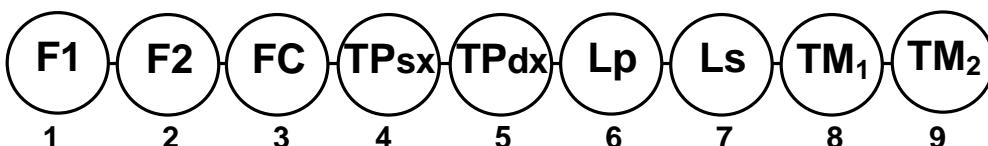
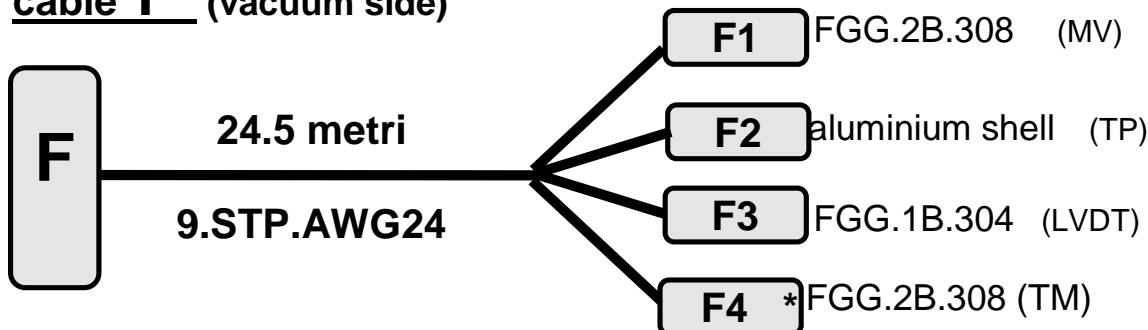
Quality Control phase	
Date:	
Operator:	

Cleaning and Storage phase	
Date:	
Operator:	

Notes:
Diramare a 60 cm

MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A	E1.1	F1 +
B	1.B	E1.2	F1 -
C	1.S	n.c.	
D	2.A	E1.3	F2 +
E	2.B	E1.4	F2 -
F	2.S	n.c.	
G	3.A	E1.5	FC fw
H	3.B	E1.6	FC bw
J	3.S	E1.7	FC com
K	4.A	E2	TP sx +
L	4.B	E2	TP sx -
M	4.S	n.c.	
N	5.A	E2	TP dx +
P	5.B	E2	TP dx -
R	5.S	n.c.	
S	6.A	E3.1	L _p
T	6.B	E3.2	L _p
U	6.S	n.c.	
V	7.A	E3.3	L _s
W	7.B	E3.4	L _s
X	7.S	n.c.	
Y	8.A		
Z	8.B		
a	8.S		
b	9.A		
c	9.B		
d	9.S		

cable F (vacuum side)



Cutting and Stripping phase	
Date: 22 may 00	
Operator: M. Ceccanti	
Reel: R	

Crimping and Labeling phase	
Date: 22 may 00	
Operator: M. Ceccanti	
Duration (hours): 2.5	

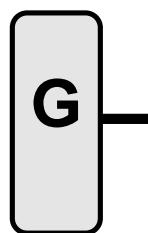
Quality Control phase	
Date:	
Operator: M. Ceccanti	

Cleaning and Storage phase	
Date:	
Operator: M. Ceccanti	

Notes:			
Diramare a 60 cm			
ATTENZIONE: non testare mai il tiltometro con il multmetro (si danneggia!!)			
* upgraded during June 2003 (by Nenci)			

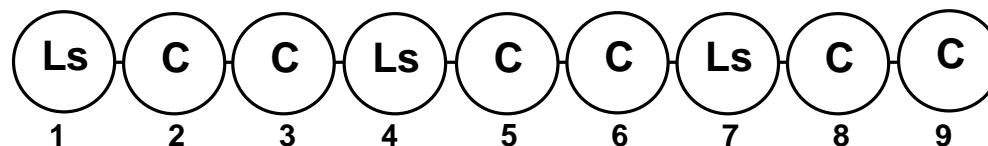
MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A	F1.1	F1 +
B	1.B	F1.2	F1 -
C	1.S	n.c.	
D	2.A	F1.3	F2 +
E	2.B	F1.4	F2 -
F	2.S	n.c.	
G	3.A	F1.5	FC fw
H	3.B	F1.6	FC bw
J	3.S	F1.7	FC com
K	4.A	F2	TP sx +
L	4.B	F2	TP sx -
M	4.S	n.c.	
N	5.A	F2	TP dx +
P	5.B	F2	TP dx -
R	5.S	n.c.	
S	6.A	F3.1	Lp
T	6.B	F3.2	Lp
U	6.S	n.c.	
V	7.A	F3.3	Ls
W	7.B	F3.4	Ls
X	7.S	n.c.	
Y	8.A	F4.1	1+ *
Z	8.B	F4.2	1- *
a	8.S	F4.3	E1 *
b	9.A	F4.4	2+ *
c	9.B	F4.5	2- *
d	9.S	F4.6	E2 *

cable G (vacuum side)



11.5 metri

9.STP.AWG24



G1	FGG.0B.302	(LHs)
G2	FGG.1B.302	(C)
G3	FGG.0B.302	(LHs)
G4	FGG.1B.302	(C)
G5	FGG.0B.302	(LHs)
G6	FGG.1B.302	(C)

Cutting and Stripping phase	
Date:	1 jun 00
Operator:	M. Ceccanti
Reel:	R

Crimping and Labeling phase	
Date:	1 jun 00
Operator:	M. Ceccanti
Duration (hours):	2.5

Quality Control phase	
Date:	
Operator:	

Cleaning and Storage phase	
Date:	
Operator:	

Notes:

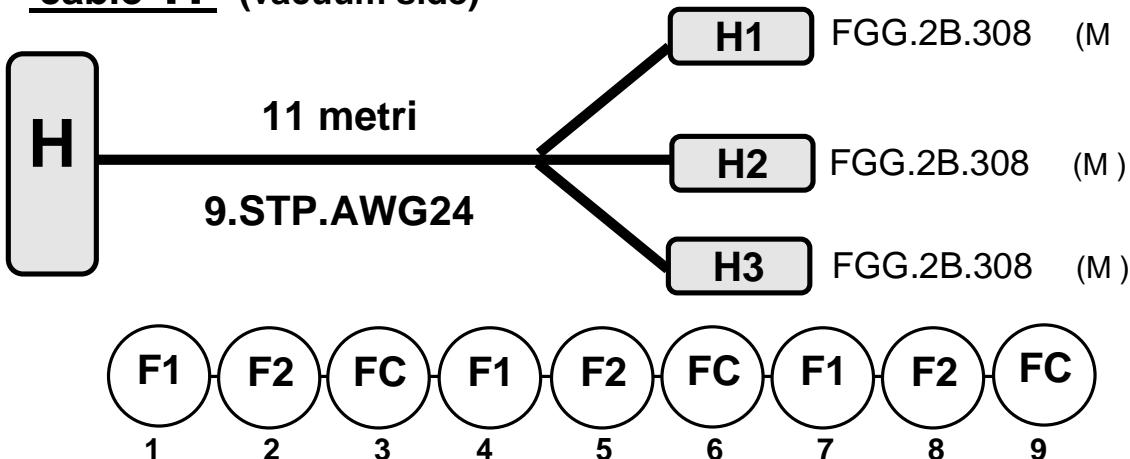
Diramare a gruppi (G1+G2, G3+G4, G5+G6) di 2.5 metri;

Scorciare G3+G4 di 1.5 metri rispetto ai 11.5 metri totali;

Ponticelli su MIL-32.

MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A	G1.1	Ls
B	1.B	G1.2	Ls
C	1.S	n.c.	
D	2.A	G2.1	C +
E	2.B	G2.2	C -
F	2.S	n.c.	
G	3.A	G2.1	C +
H	3.B	G2.2	C -
J	3.S	n.c.	
K	4.A	G3.1	Ls
L	4.B	G3.2	Ls
M	4.S	n.c.	
N	5.A	G4.1	C +
P	5.B	G4.2	C -
R	5.S	n.c.	
S	6.A	G4.1	C +
T	6.B	G4.2	C -
U	6.S	n.c.	
V	7.A	G5.1	Ls
W	7.B	G5.2	Ls
X	7.S	n.c.	
Y	8.A	G6.1	C +
Z	8.B	G6.2	C -
a	8.S	n.c.	
b	9.A	G6.1	C +
c	9.B	G6.2	C -
d	9.S	n.c.	

cable H (vacuum side)



Cutting and Stripping phase

Date: 31 may 00

Operator: M. Ceccanti

Reel: R

Crimping and Labeling phase

Date: 31 may 00

Operator: M. Ceccanti

Duration (hours): 3

Quality Control phase

Date:

Operator:

Cleaning and Storage phase

Date:

Operator:

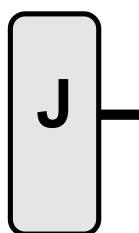
Notes:

Diramare di 2,5 metri;

Scorciare H2 di 1,5 metri.

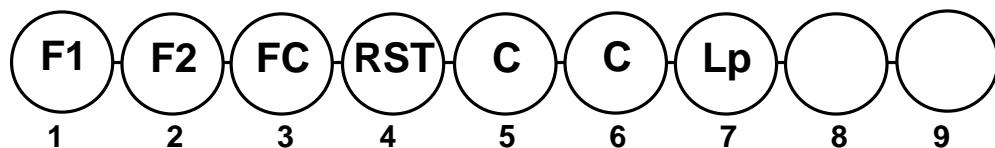
MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A	H1.1	F1 +
B	1.B	H1.2	F1 -
C	1.S	n.c.	
D	2.A	H1.3	F2 +
E	2.B	H1.4	F2 -
F	2.S	n.c.	
G	3.A	H1.5	FC fw
H	3.B	H1.6	FC bw
J	3.S	H1.7	FC com
K	4.A	H2.1	F1 +
L	4.B	H2.2	F1 -
M	4.S	n.c.	
N	5.A	H2.3	F2 +
P	5.B	H2.4	F2 -
H	5.S	n.c.	
S	6.A	H2.5	FC fw
T	6.B	H2.6	FC bw
U	6.S	H2.7	FC com
V	7.A	H3.1	F1 +
W	7.B	H3.2	F1 -
X	7.S	n.c.	
Y	8.A	H3.3	F2 +
Z	8.B	H3.4	F2 -
a	8.S	n.c.	
b	9.A	H3.5	FC fw
c	9.B	H3.6	FC bw
d	9.S	H3.7	FC com

cable J (vacuum side)



12 metri

9.STP.AWG24



Cutting and Stripping phase

Date: 4 may 00

Operator: M. Ceccanti

Reel: O

Crimping and Labeling phase

Date: 4 may 00

Operator: M. Ceccanti

Duration (hours): 3

Quality Control phase

Date: 4 may 00

Operator: M. Ceccanti

Cleaning and Storage phase

Date:

Operator:

Notes:

Diramare a 120 cm tra J2 e J3;

Diramare J3 e J4 di 25 cm;

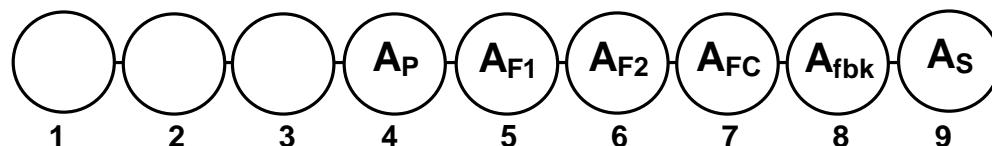
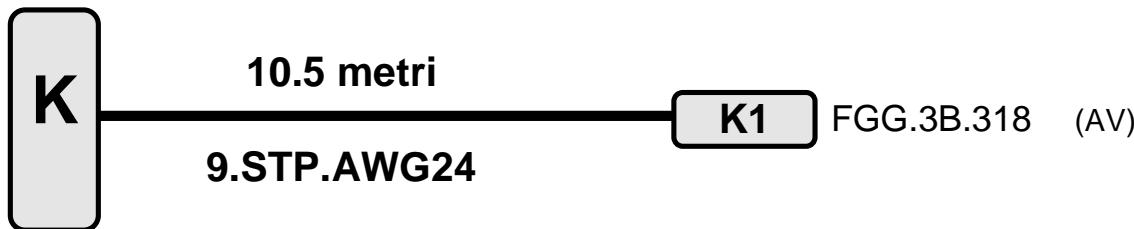
Scorciare J1 di 120 cm;

Scorciare J2 di 20 cm.

RST e' il reostato, usato come sensore di posizione dell'hoist.

MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A	J1.1	F1 +
B	1.B	J1.2	F1 -
C	1.S	n.c.	
D	2.A	J1.3	F2 +
E	2.B	J1.4	F2 -
F	2.S	n.c.	
G	3.A	J1.5	FC fw
H	3.B	J1.6	FC bw
J	3.S	J1.7	FC com
K	4.A	J1.8	RST
L	4.B	J1.9	RST
M	4.S	J1.10	RST com
N	5.A	J2.1	C+
P	5.B	J2.2	C-
R	5.S	n.c.	
S	6.A	J3.1	C+
T	6.B	J3.2	C-
U	6.S	n.c.	
V	7.A	J4.1	Lp
W	7.B	J4.2	Lp
X	7.S	n.c.	
Y	8.A		
Z	8.B		
a	8.S		
b	9.A		
c	9.B		
d	9.S		

cable K (vacuum side)



Cutting and Stripping phase

Date: 22 may 00

Operator: M. Ceccanti

Reel: P

Crimping and Labeling phase

Date: 22 may 00

Operator: M. Ceccanti

Duration (hours): 2.5

Quality Control phase

Date:

Operator:

Cleaning and Storage phase

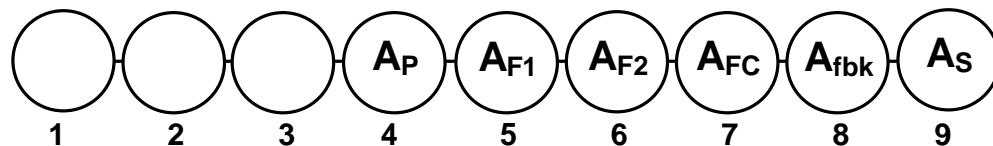
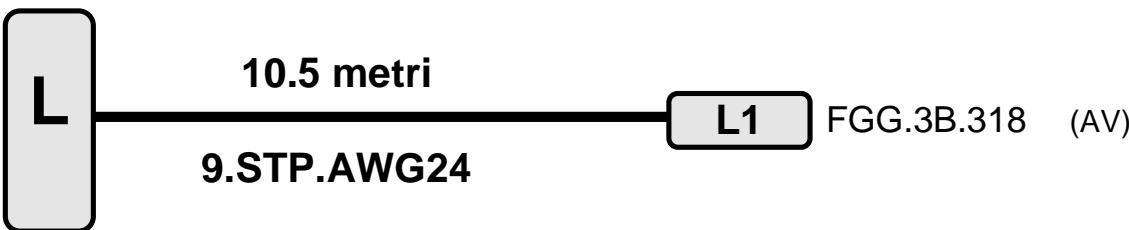
Date:

Operator:

Notes:

MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A		
B	1.B		
C	1.S		
D	2.A		
E	2.B		
F	2.S		
G	3.A		
H	3.B		
J	3.S		
K	4.A	K1.1	Lp
L	4.B	K1.2	Lp
M	4.S	K1.3	
N	5.A	K1.4	F1 +
P	5.B	K1.5	F1 -
R	5.S	K1.8	
S	6.A	K1.6	F2 +
T	6.B	K1.7	F2 -
U	6.S	K1.18	
V	7.A	K1.9	FC sx
W	7.B	K1.11	FC dx
X	7.S	K1.10	FC com
Y	8.A	K1.12	fbk
Z	8.B	K1.13	fbk
a	8.S	K1.14	
b	9.A	K1.15	Ls
c	9.B	K1.16	Ls
d	9.S	K1.17	

cable L (vacuum side)



Cutting and Stripping phase
Date: 30 may 00
Operator: M. Ceccanti
Reel: R

Crimping and Labeling phase
Date: 30 may 00
Operator: M. Ceccanti
Duration (hours): 2.5

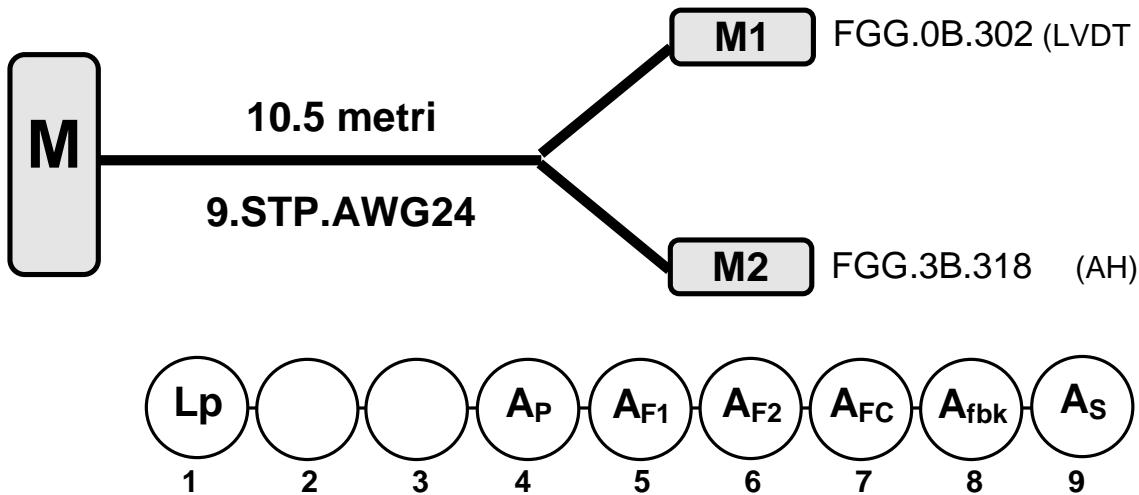
Quality Control phase
Date:
Operator:

Cleaning and Storage phase
Date:
Operator:

Notes:

MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A		
B	1.B		
C	1.S		
D	2.A		
E	2.B		
F	2.S		
G	3.A		
H	3.B		
J	3.S		
K	4.A	L1.1	Lp
L	4.B	L1.2	Lp
M	4.S	L1.3	
N	5.A	L1.4	F1 +
P	5.B	L1.5	F1 -
R	5.S	L1.8	
S	6.A	L1.6	F2 +
T	6.B	L1.7	F2 -
U	6.S	L1.18	
V	7.A	L1.9	FC sx
W	7.B	L1.11	FC dx
X	7.S	L1.10	FC com
Y	8.A	L1.12	fbk
Z	8.B	L1.13	fbk
a	8.S	L1.14	
b	9.A	L1.15	Ls
c	9.B	L1.16	Ls
d	9.S	L1.17	

cable M (vacuum side)



Cutting and Stripping phase	
Date: 30 may 00	
Operator: M. Ceccanti	
Reel: N	

Crimping and Labeling phase	
Date: 30 may 00	
Operator: M. Ceccanti	
Duration (hours): 2.5	

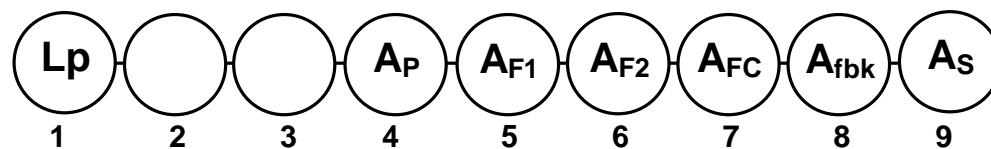
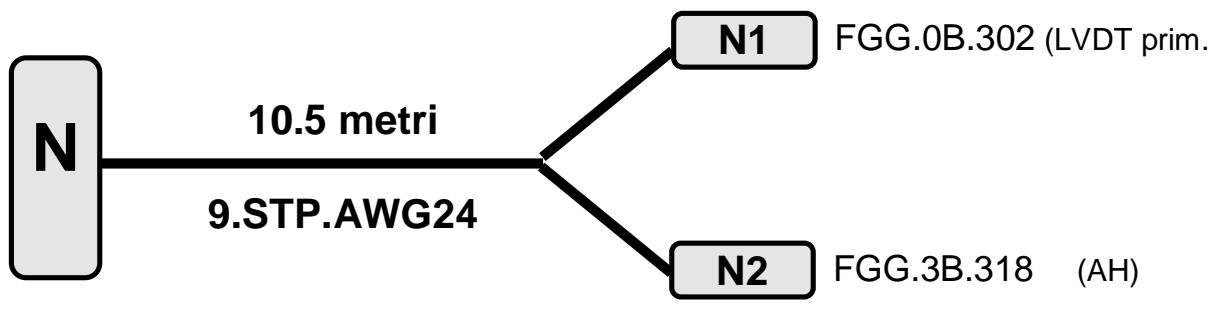
Quality Control phase	
Date:	
Operator:	

Cleaning and Storage phase	
Date:	
Operator:	

Notes:
Diramare a 60 cm

MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A	M1.1	Lp
B	1.B	M1.2	Lp
C	1.S	n.c.	
D	2.A		
E	2.B		
F	2.S		
G	3.A		
H	3.B		
J	3.S		
K	4.A	M2.1	Lp
L	4.B	M2.2	Lp
M	4.S	M2.3	
N	5.A	M2.4	F1 +
P	5.B	M2.5	F1 -
R	5.S	M2.8	
S	6.A	M2.6	F2 +
T	6.B	M2.7	F2 -
U	6.S	M2.18	
V	7.A	M2.9	FC sx
W	7.B	M2.11	FC dx
X	7.S	M2.10	FC com
Y	8.A	M2.12	fbk
Z	8.B	M2.13	fbk
a	8.S	M2.14	
b	9.A	M2.15	Ls
c	9.B	M2.16	Ls
d	9.S	M2.17	

cable N (vacuum side)



Cutting and Stripping phase	
Date: 30 may 00	
Operator: M. Ceccanti	
Reel: N	

Crimping and Labeling phase	
Date: 30 may 00	
Operator: M. Ceccanti	
Duration (hours): 2.5	

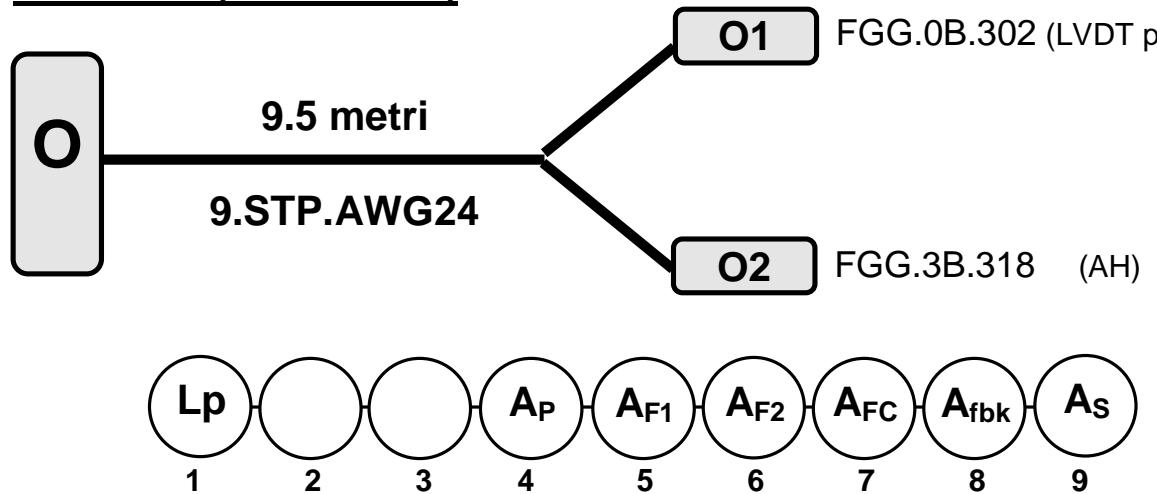
Quality Control phase	
Date:	
Operator:	

Cleaning and Storage phase	
Date:	
Operator:	

Notes:
Diramare a 60 cm

MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A	N1.1	Lp
B	1.B	N1.2	Lp
C	1.S	n.c.	
D	2.A		
E	2.B		
F	2.S		
G	3.A		
H	3.B		
J	3.S		
K	4.A	N2.1	Lp
L	4.B	N2.2	Lp
M	4.S	N2.3	
N	5.A	N2.4	F1 +
P	5.B	N2.5	F1 -
R	5.S	N2.8	
S	6.A	N2.6	F2 +
T	6.B	N2.7	F2 -
U	6.S	N2.18	
V	7.A	N2.9	FC sx
W	7.B	N2.11	FC dx
X	7.S	N2.10	FC com
Y	8.A	N2.12	fbk
Z	8.B	N2.13	fbk
a	8.S	N2.14	
b	9.A	N2.15	Ls
c	9.B	N2.16	Ls
d	9.S	N2.17	

cable O (vacuum side)



Cutting and Stripping phase	
Date: 30 may 00	
Operator: M. Ceccanti	
Reel: N	

Crimping and Labeling phase	
Date: 30 may 00	
Operator: M. Ceccanti	
Duration (hours):	2.5

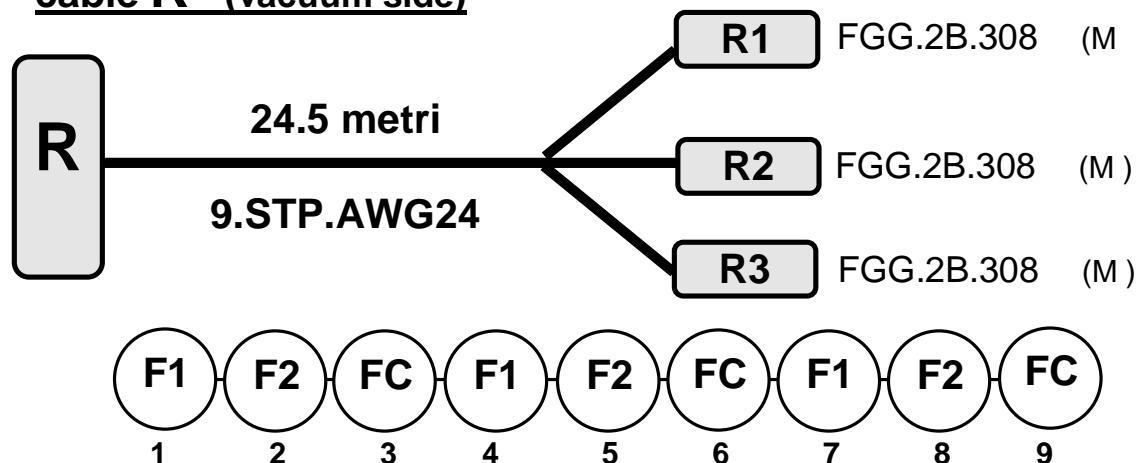
Quality Control phase	
Date:	
Operator:	

Cleaning and Storage phase	
Date:	
Operator:	

Notes:
Diramare a 60 cm

MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A	O1.1	Lp
B	1.B	O1.2	Lp
C	1.S	n.c.	
D	2.A		
E	2.B		
F	2.S		
G	3.A		
H	3.B		
J	3.S		
K	4.A	O2.1	Lp
L	4.B	O2.2	Lp
M	4.S	O2.3	
N	5.A	O2.4	F1 +
P	5.B	O2.5	F1 -
R	5.S	O2.8	
S	6.A	O2.6	F2 +
T	6.B	O2.7	F2 -
U	6.S	O2.18	
V	7.A	O2.9	FC sx
W	7.B	O2.11	FC dx
X	7.S	O2.10	FC com
Y	8.A	O2.12	fbk
Z	8.B	O2.13	fbk
a	8.S	O2.14	
b	9.A	O2.15	Ls
c	9.B	O2.16	Ls
d	9.S	O2.17	

cable R (vacuum side)



Cutting and Stripping phase

Date: 31 may 00

Operator: M. Ceccanti

Reel: R

Crimping and Labeling phase

Date: 31 may 00

Operator: M. Ceccanti

Duration (hours): 2.5

Quality Control phase

Date:

Operator:

Cleaning and Storage phase

Date:

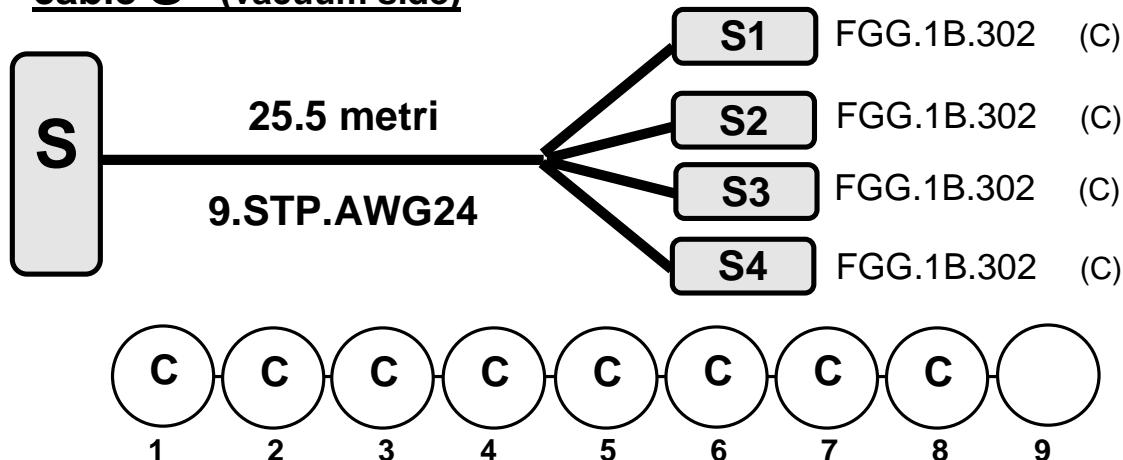
Operator:

Notes:

Diramare a 80 cm

MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A	R1.1	F1 +
B	1.B	R1.2	F1 -
C	1.S	n.c.	
D	2.A	R1.3	F2 +
E	2.B	R1.4	F2 -
F	2.S	n.c.	
G	3.A	R1.5	FC fw
H	3.B	R1.6	FC bw
J	3.S	R1.7	FC com
K	4.A	R2.1	F1 +
L	4.B	R2.2	F1 -
M	4.S	n.c.	
N	5.A	R2.3	F2 +
P	5.B	R2.4	F2 -
R	5.S	n.c.	
S	6.A	R2.5	FC fw
T	6.B	R2.6	FC bw
U	6.S	R2.7	FC com
V	7.A	R3.1	F1 +
W	7.B	R3.2	F1 -
X	7.S	n.c.	
Y	8.A	R3.3	F2 +
Z	8.B	R3.4	F2 -
a	8.S	n.c.	
b	9.A	R3.5	FC fw
c	9.B	R3.6	FC bw
d	9.S	R3.7	FC com

cable S (vacuum side)



Cutting and Stripping phase

Date: 10 april 00

Operator: M. Ceccanti

Reel: P

Crimping and Labeling phase

Date: 10 april 00

Operator: M. Ceccanti

Duration (hours): 3

Quality Control phase

Date: 10 april 00

Operator: M. Ceccanti

Cleaning and Storage phase

Date:

Operator:

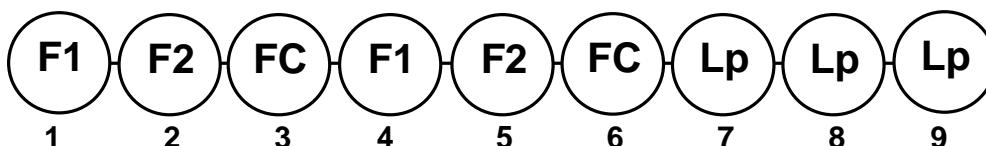
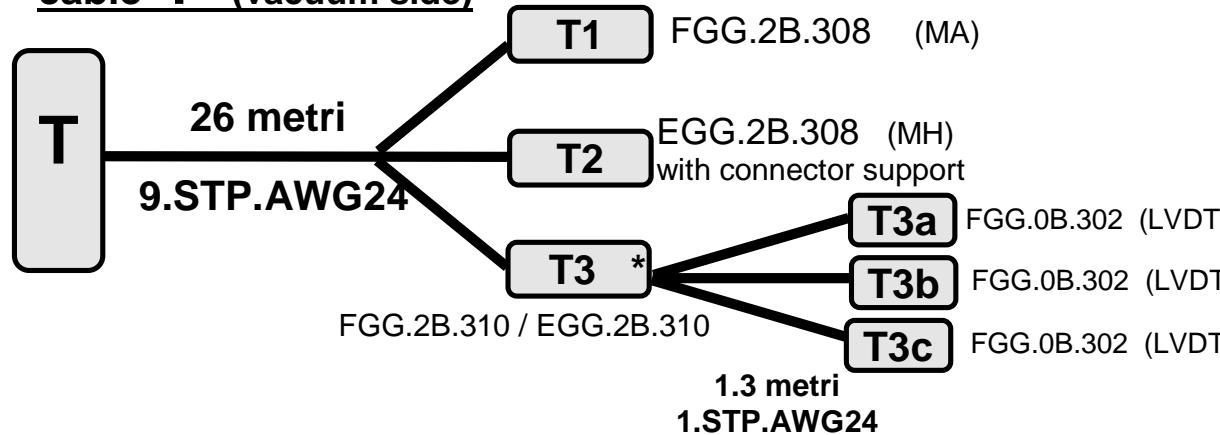
Notes:

Diramare a 180 cm;

Ponticelli su MIL-32.

MIL-32 contacts	conductors	LEMO contacts	contact description
A ← B ← C ←	1.A 1.B 1.S	S1.1 S1.2 n.c.	C + C -
D ← E ← F ←	2.A 2.B 2.S	S1.1 S1.2 n.c.	C + C -
G ← H ← J ←	3.A 3.B 3.S	S2.1 S2.2 n.c.	C + C -
K ← L ← M ←	4.A 4.B 4.S	S2.1 S2.2 n.c.	C + C -
N ← P ← R ←	5.A 5.B 5.S	S3.1 S3.2 n.c.	C + C -
S ← T ← U ←	6.A 6.B 6.S	S3.1 S3.2 n.c.	C + C -
V ← W ← X ←	7.A 7.B 7.S	S4.1 S4.2 n.c.	C + C -
Y ← Z ← a ←	8.A 8.B 8.S	S4.1 S4.2 n.c.	C + C -
b c d	9.A 9.B 9.S		

cable T (vacuum side)



Cutting and Stripping phase	
Date: 10 april 00	
Operator: M. Ceccanti	
Reel: O	

Crimping and Labeling phase	
Date: 10 april 00	
Operator: M. Ceccanti	
Duration (hours): 2.5	

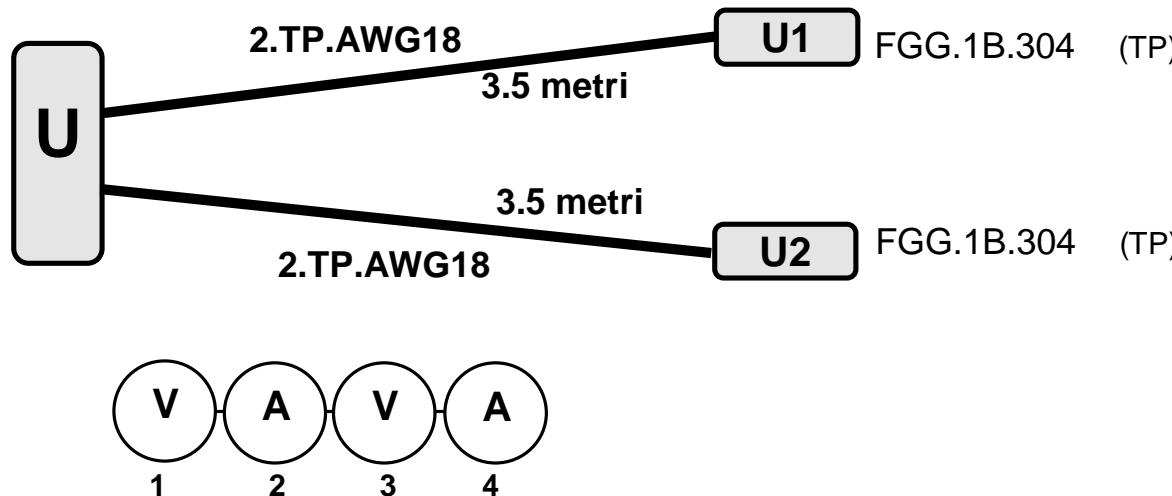
Quality Control phase	
Date: 10 april 00	
Operator: M. Ceccanti	

Cleaning and Storage phase	
Date:	
Operator: M.Ceccanti	

Notes:	
Diramare a 30 cm	
* Updated during June 03 (by Nenci)	

MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A	T1.1	F1 +
B	1.B	T1.2	F1 -
C	1.S	n.c.	
D	2.A	T1.3	F2 +
E	2.B	T1.4	F2 -
F	2.S	n.c.	
G	3.A	T1.5	FC fw
H	3.B	T1.6	FC bw
J	3.S	T1.7	FC com
K	4.A	T2.1	F1 +
L	4.B	T2.2	F1 -
M	4.S	n.c.	
N	5.A	T2.3	F2 +
P	5.B	T2.4	F2 -
R	5.S	n.c.	
S	6.A	T2.5	FC fw
T	6.B	T2.6	FC bw
U	6.S	T2.7	FC com
V	7.A	T3.1	Lp *
W	7.B	T3.2	Lp *
X	7.S	T3.3	
Y	8.A	T3.4	Lp *
Z	8.B	T3.5	Lp *
a	8.S	T3.6	
b	9.A	T3.7	Lp *
c	9.B	T3.8	Lp *
d	9.S	T3.9	

cable U (vacuum side)



MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A	U1.1	V _H
B	1.B	U1.2	V _L
C	2.A	U1.3	A _L
D	2.B	U1.4	A _H
E	3.A	U2.1	V _H
F	3.B	U2.2	V _L
G	4.A	U2.3	A _L
H	4.B	U2.4	A _H
I			
J			
K			
L			
M			
N			
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			
A			
b			
c			
d			

Cutting and Stripping phase

Date:

Operator: *Dattilo, Gherardini*

Reel:

Crimping and Labeling phase

Date: 24-feb 2010, 4 mar 2010

Operator: *Gherardini, Dattilo*

Duration (hours):

Quality Control phase

Date: 4 mar 2010

Operator: *Dattilo, Gherardini*

Cleaning and Storage phase

Date: 4 mar 2010

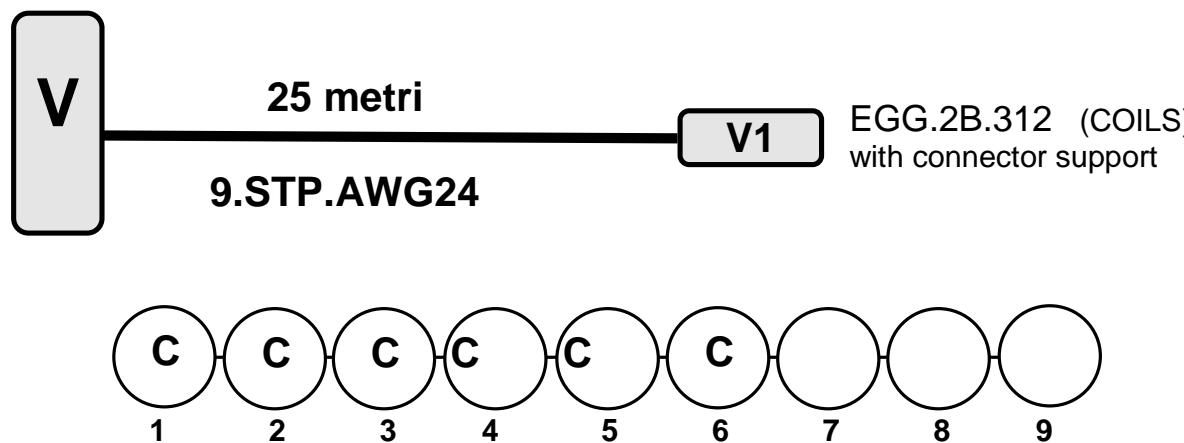
Operator: *Gherardini*

Notes:

Cavo in Pyre-ML

V_H = Voltmetric High, A_H = Amperometric High, etc.

cable V (vacuum side)



Cutting and Stripping phase
Date: 10 april 00
Operator: M. Ceccanti
Reel: P

Crimping and Labeling phase
Date: 10 april 00
Operator: M. Ceccanti
Duration (hours): 2.5

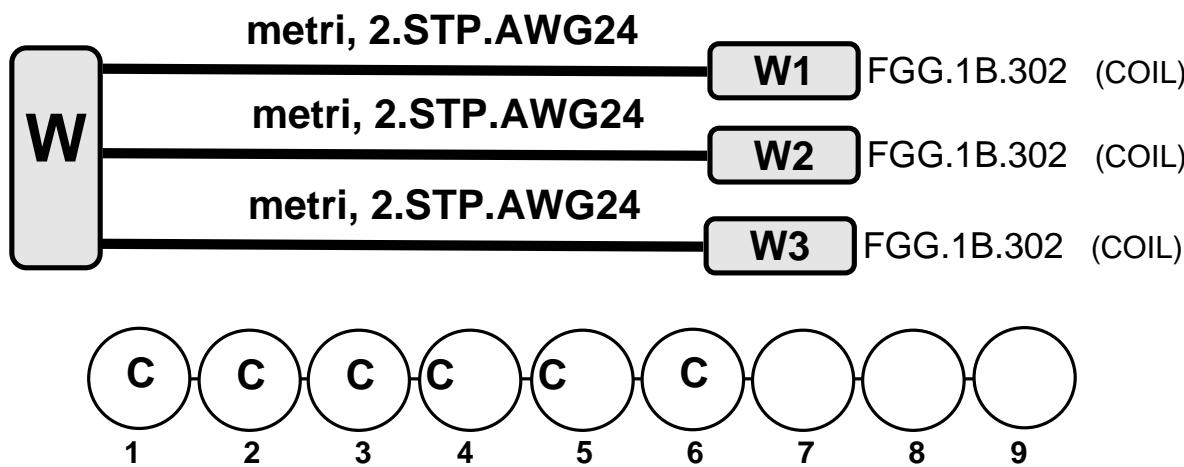
Quality Control phase
Date: 10 april 00
Operator: M. Ceccanti

Cleaning and Storage phase
Date:
Operator:

Notes:

MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A	V1.1	C +
B	1.B	V1.2	C -
C	1.S	n.c.	
D	2.A	V1.3	C +
E	2.B	V1.4	C -
F	2.S	n.c.	
G	3.A	V1.5	C +
H	3.B	V1.6	C -
J	3.S	n.c.	
K	4.A	V1.7	C +
L	4.B	V1.8	C -
M	4.S	n.c.	
N	5.A	V1.9	C +
P	5.B	V1.10	C -
R	5.S	n.c.	
S	6.A	V1.11	C +
T	6.B	V1.12	C -
U	6.S	n.c.	
V	7.A		
W	7.B		
X	7.S		
Y	8.A		
Z	8.B		
a	8.S		
b	9.A		
c	9.B		
d	9.S		

cable W (vacuum side)



Cutting and Stripping phase	
Date:	June . 03
Operator:	Nenci
Reel:	

Crimping and Labeling phase	
Date:	June 03
Operator:	Nenci
Duration (hours):	

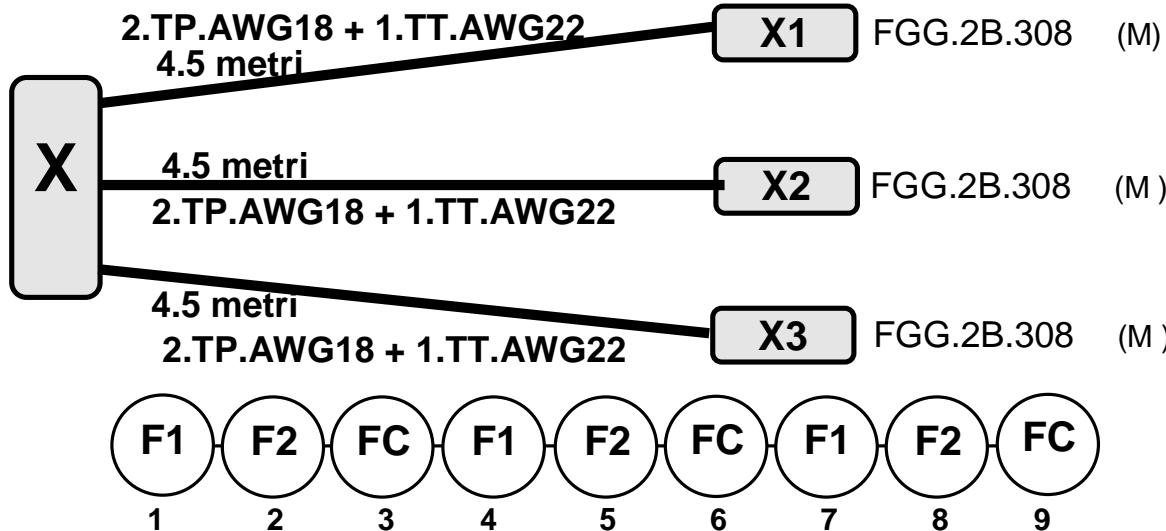
Quality Control phase	
Date:	June . 03
Operator:	Nenci

Cleaning and Storage phase	
Date:	
Operator:	

Notes:	
Ponticelli su MIL-32.	

MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A	W1.1	C +
B	1.B	W1.2	C -
C	1.S	n.c.	
D	2.A	W1.1	C +
E	2.B	W1.2	C -
F	2.S	n.c.	
G	3.A	W2.1	C +
H	3.B	W2.2	C -
J	3.S	n.c.	
K	4.A	W2.1	C +
L	4.B	W2.2	C -
M	4.S	n.c.	
N	5.A	W3.1	C +
P	5.B	W3.2	C -
R	5.S	n.c.	
S	6.A	W3.1	C +
T	6.B	W3.2	C -
U	6.S	n.c.	
V			
W			
X			
Y			
Z			
a			
b			
c			
d			

cable X (vacuum side)



Cutting and Stripping phase	
Date:	
Operator:	<i>Dattilo, Gherardini</i>
Reel:	

Crimping and Labeling phase	
Date:	
Operator:	<i>Dattilo, Gherardini</i>
Duration (hours):	

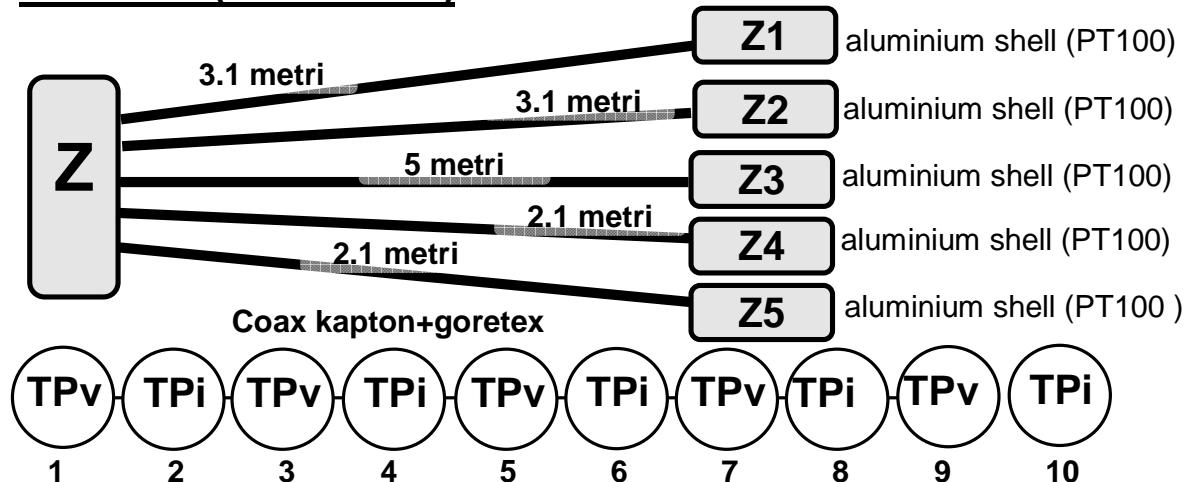
Quality Control phase	
Date:	
Operator:	<i>Dattilo, Gherardini</i>

Cleaning and Storage phase	
Date:	
Operator:	<i>Dattilo, Gherardini</i>

Notes:			
I conduttori dei cavi TP e TT vanno identificati utilizzando il tester			

MIL-32 contacts	conductors	LEMO contacts	contact description
A	1.A	X1.1	F1 +
B	1.B	X1.2	F1 -
C	2.A	X1.3	F2 +
D	2.B	X1.4	F2 -
E	3.A	X1.5	FC fw
F	3.B	X1.6	FC bw
G	3.C	X1.7	FC com
H	4.A	X2.1	F1 +
J	4.B	X2.2	F1 -
K	5.A	X2.3	F2 +
L	5.B	X2.4	F2 -
M	6.A	X2.5	FC fw
N	6.B	X2.6	FC bw
P	6.C	X2.7	FC com
R	7.A	X3.1	F1 +
S	7.B	X3.2	F1 -
T	8.A	X3.3	F2 +
U	8.B	X3.4	F2 -
V	9.A	X3.5	FC fw
W	9.B	X3.6	FC bw
X	9.C	X3.7	FC com
Y			
Z			
a			
b			
c			
d			

cable Z (vacuum side)



Cutting and Stripping phase

Date: 11 oct 00

Operator: M. Ceccanti

Reel:

Crimping and Labeling phase

Date: 11 oct 00

Operator: M. Ceccanti

Duration (hours): 2

Quality Control phase

Date: 11 oct 00, 17 oct 00

Operator: M. Ceccanti, V. Dattilo

Cleaning and Storage phase

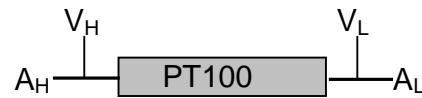
Date: 11 oct 00

Operator: M. Ceccanti

Notes:

Per questo cavo si intende come conduttore A il centrale (core) del coassiale e per conduttore B la calza (shield) del coassiale; quindi il conduttore S non esiste per il cavo in vuoto, ma solo per quello in aria.

Pinout



MIL-32 contacts	conductors	TP package	contact description
A	1.A (coax core)	Z1	V _H
B	1.B (coax shield)	Z1	V _L
C		n.c.	A _H
D		n.c.	A _L
E	2.A (coax core)	Z2	V _H
F	2.B (coax shield)	Z2	V _L
G		n.c.	A _H
H		n.c.	A _L
J	3.A (coax core)	Z3	V _H
K	3.B (coax shield)	Z3	V _L
L		n.c.	A _H
M		n.c.	A _L
N	4.A (coax core)	Z4	V _H
P	4.B (coax shield)	Z4	V _L
R		Z4	A _H
S		Z4	A _L
T	5.A (coax core)	Z5	V _H
U	5.B (coax shield)	Z5	V _L
V		Z5	A _H
W		Z5	A _L
X			
Y			
Z			
a			
b			
c			
d			