



AMG Energia SpA



Città di Palermo

LAVORI DI RINNOVAMENTO E RISTRUTTURAZIONE
DEGLI IMPIANTI DI PUBBLICA ILLUMINAZIONE
ALL'INTERNO DEL QUADRILATERO
SCIUTI - LAZIO - LIBERTA' - PATERNO'

PROGETTO ESECUTIVO

<i>Elaborato:</i> TAV. 6	<i>Oggetto:</i> Calcoli elettrici
<i>Scala:</i> ---	
<i>Data:</i> Maggio 2012	

Gruppo di Progettazione:

AMG Energia SpA - Direzione Energia

- Ing. Vincenzo Gagliardo

- Per. Ind. Francesco Graziano

- Ing. Daniele Tringali

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Coord. sicurezza in fase di progettazione:

- Ing. Salvatore Luparello

Relazione Geologica:

Dott. Geologo Antonio Gallo

Responsabile Unico del Procedimento:

Esp. Perito Elet. Bartolomeo Di Giovanni

Quadro: Quadro Q.A					Cliente: Comune di Palermo			Descrizione: Circuito 1															
Sistema di distribuzione: TT					Resistenza di terra:			C.d.t. % Max ammessa: 5 %				Icc di barratura:				Tensione: 400/230 [V]							
Circuito					Apparecchiatura			Corto circuito										Sovraccarico			Test		
Lunghezza ≤ Lunghezza max C.d.t. % con I _b ≤ C.d.t. max								Icc max ≤ P.d.I.				I ² t ≤ K ² S ²						I _b ≤ I _n ≤ I _z			I _f ≤ 1,45 I _z		
												FASE		NEUTRO		PROTEZIONE							
Sigla utenza	Sezione	L	L max	C.d.t.% con I _b	Tipo	Distribuzione	I _d	P.d.I.	Icc max	I di Int. Prot.	I gt Fondo Linea	I ² t max Inizio Linea	K ² S ²	I ² t max Inizio Linea	K ² S ²	I ² t max Inizio Linea	K ² S ²	I _b	I _n	I _z	I _f	1.45I _z	
	[mm²]	[m]	[m]	[%]			[A]	[kA]	[kA]	[A]	[A]	[A²S]	[A²S]	[A²S]	[A²S]	[A²S]	[A²S]	[A]	[A]	[A]	[A]	[A]	
Circuito 1	4(1x4)	10	>99999	0,13	---	Quadripolare	---	6	6	---	---	20.718	327.184	18.048	327.184	---	---	5,579	20	26	26	38	SI
Dorsale	4(1x4)	8	>99999	0,19	---	Quadripolare	---	---	2,84	---	---	7.303	327.184	3.844	327.184	---	---	3,487	20	26	26	38	SI
PL 12.12	2(1x2,5)	15	>99999	0,26	---	Monofase L3+N	---	---	1,1	---	---	2.091	127.806	2.091	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	0,32	---	Quadripolare	---	---	1,95	---	---	4.452	327.184	2.091	327.184	---	---	2,79	20	26	26	38	SI
PL 12.13	2(1x2,5)	15	>99999	0,39	---	Monofase L1+N	---	---	0,54	---	---	818	127.806	818	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	0,45	---	Quadripolare	---	---	1,03	---	---	1.913	327.184	818	327.184	---	---	2,79	20	26	26	38	SI
PL 12.14	2(1x2,5)	15	>99999	0,52	---	Monofase L2+N	---	---	0,36	---	---	475	127.806	475	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	0,58	---	Quadripolare	---	---	0,69	---	---	1.136	327.184	475	327.184	---	---	2,79	20	26	26	38	SI
PL 12.15	2(1x2,5)	15	>99999	0,65	---	Monofase L3+N	---	---	0,27	---	---	55.084	127.806	55.084	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	0,68	---	Quadripolare	---	---	0,52	---	---	55.084	327.184	55.084	327.184	---	---	2,092	20	26	26	38	SI
PL 12.16	2(1x2,5)	15	>99999	0,75	---	Monofase L1+N	---	---	0,21	---	---	48.846	127.806	48.846	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	0,78	---	Quadripolare	---	---	0,42	---	---	48.846	327.184	48.846	327.184	---	---	2,092	20	26	26	38	SI
PL 12.17	2(1x2,5)	15	>99999	0,85	---	Monofase L2+N	---	---	0,18	---	---	44.285	127.806	44.285	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	0,88	---	Quadripolare	---	---	0,35	---	---	58.877	327.184	44.285	327.184	---	---	2,092	20	26	26	38	SI
PL 12.18	2(1x2,5)	15	>99999	0,95	---	Monofase L3+N	---	---	0,15	---	---	40.767	127.806	40.767	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	0,94	---	Quadripolare	---	---	0,3	---	---	58.593	327.184	40.767	327.184	---	---	1,395	20	26	26	38	SI
PL 12.19	2(1x2,5)	15	>99999	1,01	---	Monofase L1+N	---	---	0,13	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	1,01	---	Quadripolare	---	---	0,26	---	---	54.591	327.184	0	327.184	---	---	1,395	20	26	26	38	SI
PL 12.20	2(1x2,5)	15	>99999	1,08	---	Monofase L2+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI

Dorsale	4(1x4)	22	>99999	1,07	---	Quadripolare	---	---	0,24	---	---	51.285	327.184	0	327.184	---	---	1,395	20	26	26	38	SI
PL 12.21	2(1x2,5)	15	>99999	1,14	---	Monofase L3+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	1,11	---	Quadripolare	---	---	0,21	---	---	48.496	327.184	0	327.184	---	---	0,697	20	26	26	38	SI
PL 12.22	2(1x2,5)	15	>99999	1,18	---	Monofase L1+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	1,14	---	Quadripolare	---	---	0,19	---	---	46.102	327.184	0	327.184	---	---	0,697	20	26	26	38	SI
PL 12.23	2(1x2,5)	15	>99999	1,21	---	Monofase L2+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	1,17	---	Quadripolare	---	---	0,18	---	---	44.022	327.184	0	327.184	---	---	0,697	20	26	26	38	SI
PL 12.24	2(1x2,5)	15	>99999	1,24	---	Monofase L3+N	---	---	0,08	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	15	>99999	0,22	---	Quadripolare	---	---	2,84	---	---	7.303	327.184	3.844	327.184	---	---	2,79	20	26	26	38	SI
PL 12.11	2(1x2,5)	15	>99999	0,29	---	Monofase L2+N	---	---	0,83	---	---	1.436	127.806	1.436	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	0,35	---	Quadripolare	---	---	1,52	---	---	3.238	327.184	1.436	327.184	---	---	2,79	20	26	26	38	SI
PL 12.10	2(1x2,5)	15	>99999	0,42	---	Monofase L1+N	---	---	0,47	---	---	671	127.806	671	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	0,45	---	Quadripolare	---	---	0,89	---	---	1.584	327.184	671	327.184	---	---	2,092	20	26	26	38	SI
PL 12.9	2(1x2,5)	15	>99999	0,52	---	Monofase L3+N	---	---	0,32	---	---	415	127.806	415	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	0,55	---	Quadripolare	---	---	0,63	---	---	997	327.184	415	327.184	---	---	2,092	20	26	26	38	SI
PL 12.8	2(1x2,5)	15	>99999	0,62	---	Monofase L2+N	---	---	0,25	---	---	52.858	127.806	52.858	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	0,65	---	Quadripolare	---	---	0,49	---	---	52.858	327.184	52.858	327.184	---	---	2,092	20	26	26	38	SI
PL 12.7	2(1x2,5)	15	>99999	0,72	---	Monofase L1+N	---	---	0,2	---	---	47.252	127.806	47.252	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	0,71	---	Quadripolare	---	---	0,4	---	---	47.252	327.184	47.252	327.184	---	---	1,395	20	26	26	38	SI
PL 12.6	2(1x2,5)	15	>99999	0,78	---	Monofase L3+N	---	---	0,17	---	---	43.073	127.806	43.073	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	0,78	---	Quadripolare	---	---	0,33	---	---	57.290	327.184	43.073	327.184	---	---	1,395	20	26	26	38	SI
PL 12.5	2(1x2,5)	15	>99999	0,85	---	Monofase L2+N	---	---	0,15	---	---	39.805	127.806	39.805	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	0,84	---	Quadripolare	---	---	0,29	---	---	57.230	327.184	39.805	327.184	---	---	1,395	20	26	26	38	SI
PL 12.4	2(1x2,5)	15	>99999	0,91	---	Monofase L1+N	---	---	0,13	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	0,87	---	Quadripolare	---	---	0,25	---	---	53.473	327.184	0	327.184	---	---	0,697	20	26	26	38	SI
PL 12.3	2(1x2,5)	15	>99999	0,95	---	Monofase L3+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	0,91	---	Quadripolare	---	---	0,23	---	---	50.349	327.184	0	327.184	---	---	0,697	20	26	26	38	SI
PL 12.2	2(1x2,5)	15	>99999	0,98	---	Monofase L2+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	22	>99999	0,94	---	Quadripolare	---	---	0,21	---	---	47.696	327.184	0	327.184	---	---	0,697	20	26	26	38	SI
PL 12.1	2(1x2,5)	15	>99999	1,01	---	Monofase L1+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI

Quadro: Quadro Q.A					Cliente: Comune di Palermo			Descrizione: Circuito 2															
Sistema di distribuzione: TT					Resistenza di terra:			C.d.t. % Max ammessa: 5 %				Icc di barratura:				Tensione: 400/230 [V]							
Circuito					Apparecchiatura			Corto circuito										Sovraccarico			Test		
Lunghezza ≤ Lunghezza max C.d.t. % con I _b ≤ C.d.t. max								Icc max ≤ P.d.I.				I ² t ≤ K ² S ²						I _b ≤ I _n ≤ I _z			I _f ≤ 1,45 I _z		
												FASE		NEUTRO		PROTEZIONE							
Sigla utenza	Sezione	L	L max	C.d.t.% con I _b	Tipo	Distribuzione	I _d	P.d.I.	Icc max	I di Int. Prot.	I gt Fondo Linea	I ² t max Inizio Linea	K ² S ²	I ² t max Inizio Linea	K ² S ²	I ² t max Inizio Linea	K ² S ²	I _b	I _n	I _z	I _f	1.45I _z	
	[mm²]	[m]	[m]	[%]			[A]	[kA]	[kA]	[A]	[A]	[A²S]	[A²S]	[A²S]	[A²S]	[A²S]	[A²S]	[A]	[A]	[A]	[A]	[A]	
Circuito 2	4(1x6)	40	>99999	0,63	---	Quadripolare	---	6	6	---	---	20.718	736.164	18.048	736.164	---	---	10	20	33	26	47	SI
PL 6.1	2(1x2,5)	15	>99999	0,7	---	Monofase L1+N	---	---	0,78	---	---	1.329	127.806	1.329	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	23	>99999	0,98	---	Quadripolare	---	---	1,44	---	---	3.013	736.164	1.329	736.164	---	---	10	20	33	26	47	SI
Dorsale	4(1x6)	23	>99999	1,24	---	Quadripolare	---	---	0,98	---	---	1.804	736.164	770	736.164	---	---	7,671	20	32	26	46	SI
Dorsale	4(1x6)	4	>99999	1,25	---	Quadripolare	---	---	0,74	---	---	1.247	736.164	524	736.164	---	---	2,79	20	32	26	46	SI
PL 6.24	2(1x2,5)	15	>99999	1,32	---	Monofase L3+N	---	---	0,37	---	---	495	127.806	495	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	26	>99999	1,35	---	Quadripolare	---	---	0,71	---	---	1.180	736.164	495	736.164	---	---	2,79	20	33	26	47	SI
PL 6.32	2(1x2,5)	40	>99999	1,55	---	Monofase L1+N	---	---	0,29	---	---	57.443	127.806	57.443	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	16	>99999	1,42	---	Quadripolare	---	---	0,57	---	---	57.443	736.164	57.443	736.164	---	---	2,79	20	33	26	47	SI
PL 6.33	2(1x2,5)	15	>99999	1,49	---	Monofase L2+N	---	---	0,26	---	---	53.751	127.806	53.751	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	40	>99999	1,54	---	Quadripolare	---	---	0,5	---	---	53.751	736.164	53.751	736.164	---	---	2,092	20	33	26	47	SI
PL 6.34	2(1x2,5)	15	>99999	1,61	---	Monofase L3+N	---	---	0,2	---	---	46.868	127.806	46.868	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	34	>99999	1,64	---	Quadripolare	---	---	0,39	---	---	46.868	736.164	46.868	736.164	---	---	2,092	20	33	26	47	SI
PL 6.35	2(1x2,5)	15	>99999	1,71	---	Monofase L1+N	---	---	0,17	---	---	42.667	127.806	42.667	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	45	>99999	1,77	---	Quadripolare	---	---	0,33	---	---	56.754	736.164	42.667	736.164	---	---	2,092	20	33	26	47	SI
PL 6.36	2(1x2,5)	15	>99999	1,84	---	Monofase L2+N	---	---	0,14	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	39	>99999	1,85	---	Quadripolare	---	---	0,27	---	---	55.342	736.164	0	736.164	---	---	1,395	20	33	26	47	SI
PL 6.37	2(1x2,5)	15	>99999	1,92	---	Monofase L3+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	40	>99999	1,93	---	Quadripolare	---	---	0,24	---	---	51.348	736.164	0	736.164	---	---	1,395	20	33	26	47	SI

PL 6.38	2(1x2,5)	15	>99999	2	---	Monofase L1+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	38	>99999	2,01	---	Quadripolare	---	---	0,21	---	---	48.008	736.164	0	736.164	---	---	1,395	20	33	26	47	SI
PL 6.39	2(1x2,5)	15	>99999	2,08	---	Monofase L2+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	30	>99999	2,03	---	Quadripolare	---	---	0,19	---	---	45.353	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 6.40	2(1x2,5)	15	>99999	2,11	---	Monofase L3+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	38	>99999	2,07	---	Quadripolare	---	---	0,17	---	---	43.532	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 6.41	2(1x2,5)	15	>99999	2,14	---	Monofase L1+N	---	---	0,08	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	38	>99999	2,11	---	Quadripolare	---	---	0,16	---	---	41.501	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 6.42	2(1x2,5)	15	>99999	2,18	---	Monofase L2+N	---	---	0,07	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	36	>99999	1,45	---	Quadripolare	---	---	0,74	---	---	1.247	736.164	524	736.164	---	---	4,184	20	32	26	46	SI
PL 6.25	2(1x2,5)	20	>99999	1,55	---	Monofase L1+N	---	---	0,28	---	---	55.975	127.806	55.975	127.806	---	---	0,697	20	24	26	35	SI
PL 6.14	2(1x2,5)	15	>99999	1,52	---	Monofase L1+N	---	---	0,28	---	---	55.975	127.806	55.975	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	42	>99999	1,7	---	Quadripolare	---	---	0,54	---	---	55.975	736.164	55.975	736.164	---	---	4,184	20	33	26	47	SI
PL 6.26	2(1x2,5)	20	>99999	1,8	---	Monofase L2+N	---	---	0,21	---	---	48.043	127.806	48.043	127.806	---	---	0,697	20	24	26	35	SI
PL 6.15	2(1x2,5)	15	>99999	1,77	---	Monofase L2+N	---	---	0,21	---	---	48.043	127.806	48.043	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	40	>99999	1,9	---	Quadripolare	---	---	0,41	---	---	48.043	736.164	48.043	736.164	---	---	3,487	20	33	26	47	SI
PL 6.27	2(1x2,5)	20	>99999	2	---	Monofase L3+N	---	---	0,17	---	---	42.884	127.806	42.884	127.806	---	---	0,697	20	24	26	35	SI
PL 6.16	2(1x2,5)	15	>99999	1,97	---	Monofase L3+N	---	---	0,17	---	---	42.884	127.806	42.884	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	33	>99999	2,03	---	Quadripolare	---	---	0,33	---	---	57.039	736.164	42.884	736.164	---	---	2,79	20	33	26	47	SI
PL 6.28	2(1x2,5)	20	>99999	2,13	---	Monofase L1+N	---	---	0,15	---	---	39.654	127.806	39.654	127.806	---	---	0,697	20	24	26	35	SI
PL 6.17	2(1x2,5)	15	>99999	2,1	---	Monofase L1+N	---	---	0,15	---	---	39.654	127.806	39.654	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	38	>99999	2,18	---	Quadripolare	---	---	0,29	---	---	57.009	736.164	39.654	736.164	---	---	2,79	20	33	26	47	SI
PL 6.29	2(1x2,5)	20	>99999	2,28	---	Monofase L2+N	---	---	0,13	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
PL 6.18	2(1x2,5)	15	>99999	2,25	---	Monofase L2+N	---	---	0,13	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	40	>99999	2,3	---	Quadripolare	---	---	0,25	---	---	52.785	736.164	0	736.164	---	---	2,092	20	33	26	47	SI
PL 6.30	2(1x2,5)	20	>99999	2,4	---	Monofase L3+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
PL 6.19	2(1x2,5)	15	>99999	2,37	---	Monofase L3+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	26	>99999	2,35	---	Quadripolare	---	---	0,22	---	---	49.186	736.164	0	736.164	---	---	1,395	20	33	26	47	SI
PL 6.20	2(1x2,5)	15	>99999	2,42	---	Monofase L1+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	53	>99999	2,46	---	Quadripolare	---	---	0,2	---	---	47.195	736.164	0	736.164	---	---	1,395	20	33	26	47	SI
PL 6.22	2(1x2,5)	50	>99999	2,7	---	Monofase L1+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	NO
PL 6.31	2(1x2,5)	65	>99999	2,77	---	Monofase L2+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	NO

PL 6.23	2(1x2,5)	30	>99999	2,6	---	Monofase L3+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	NO
PL 6.21	2(1x2,5)	15	>99999	2,53	---	Monofase L2+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
PL 6.12	2(1x2,5)	15	>99999	1,31	---	Monofase L2+N	---	---	0,39	---	---	524	127.806	524	127.806	---	---	0,697	20	24	26	35	SI
PL 6.13	2(1x2,5)	15	>99999	1,31	---	Monofase L1+N	---	---	0,39	---	---	524	127.806	524	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	16	>99999	1,04	---	Quadripolare	---	---	0,98	---	---	1.804	736.164	770	736.164	---	---	2,79	20	33	26	47	SI
PL 6.2	2(1x2,5)	15	>99999	1,12	---	Monofase L2+N	---	---	0,42	---	---	582	127.806	582	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	40	>99999	1,16	---	Quadripolare	---	---	0,8	---	---	1.381	736.164	582	736.164	---	---	2,092	20	33	26	47	SI
PL 6.3	2(1x2,5)	15	>99999	1,24	---	Monofase L3+N	---	---	0,28	---	---	56.695	127.806	56.695	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	40	>99999	1,28	---	Quadripolare	---	---	0,55	---	---	56.695	736.164	56.695	736.164	---	---	2,092	20	33	26	47	SI
PL 6.4	2(1x2,5)	15	>99999	1,35	---	Monofase L1+N	---	---	0,21	---	---	48.819	127.806	48.819	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	40	>99999	1,4	---	Quadripolare	---	---	0,42	---	---	48.819	736.164	48.819	736.164	---	---	2,092	20	33	26	47	SI
PL 6.5	2(1x2,5)	15	>99999	1,47	---	Monofase L2+N	---	---	0,17	---	---	43.443	127.806	43.443	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	40	>99999	1,48	---	Quadripolare	---	---	0,34	---	---	57.771	736.164	43.443	736.164	---	---	1,395	20	33	26	47	SI
PL 6.6	2(1x2,5)	15	>99999	1,55	---	Monofase L3+N	---	---	0,14	---	---	39.479	127.806	39.479	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	40	>99999	1,56	---	Quadripolare	---	---	0,28	---	---	56.762	736.164	39.479	736.164	---	---	1,395	20	33	26	47	SI
PL 6.7	2(1x2,5)	15	>99999	1,63	---	Monofase L1+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	40	>99999	1,64	---	Quadripolare	---	---	0,24	---	---	52.389	736.164	0	736.164	---	---	1,395	20	33	26	47	SI
PL 6.8	2(1x2,5)	15	>99999	1,71	---	Monofase L2+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	40	>99999	1,68	---	Quadripolare	---	---	0,21	---	---	48.863	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 6.9	2(1x2,5)	15	>99999	1,75	---	Monofase L3+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	40	>99999	1,72	---	Quadripolare	---	---	0,19	---	---	45.945	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 6.10	2(1x2,5)	15	>99999	1,79	---	Monofase L1+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	40	>99999	1,76	---	Quadripolare	---	---	0,17	---	---	43.475	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 6.11	2(1x2,5)	15	>99999	1,83	---	Monofase L2+N	---	---	0,08	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI

Quadro: Quadro Q.A					Cliente: Comune di Palermo			Descrizione: Circuito 3															
Sistema di distribuzione: TT					Resistenza di terra:			C.d.t. % Max ammessa: 5 %				Icc di barratura:				Tensione: 400/230 [V]							
Circuito					Apparecchiatura			Corto circuito										Sovraccarico			Test		
Lunghezza ≤ Lunghezza max C.d.t. % con I _b ≤ C.d.t. max								Icc max ≤ P.d.I.				I ² t ≤ K ² S ²						I _b ≤ I _n ≤ I _z			I _f ≤ 1,45 I _z		
												FASE		NEUTRO		PROTEZIONE							
Sigla utenza	Sezione	L	L max	C.d.t.% con I _b	Tipo	Distribuzione	I _d	P.d.I.	Icc max	I di Int. Prot.	I gt Fondo Linea	I ² t max Inizio Linea	K ² S ²	I ² t max Inizio Linea	K ² S ²	I ² t max Inizio Linea	K ² S ²	I _b	I _n	I _z	I _f	1.45I _z	
	[mm²]	[m]	[m]	[%]			[A]	[kA]	[kA]	[A]	[A]	[A²S]	[A²S]	[A²S]	[A²S]	[A²S]	[A²S]	[A]	[A]	[A]	[A]	[A]	
Circuito 3	4(1x6)	165	>99999	1,16	---	Quadripolare	---	6	6	---	---	20.718	736.164	18.048	736.164	---	---	4,882	20	33	26	47	SI
PL 27.6	2(1x2,5)	15	>99999	1,23	---	Monofase L1+N	---	---	0,21	---	---	47.892	127.806	47.892	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	26	>99999	1,34	---	Quadripolare	---	---	0,41	---	---	47.892	736.164	47.892	736.164	---	---	4,882	20	33	26	47	SI
PL 27.5	2(1x2,5)	15	>99999	1,41	---	Monofase L2+N	---	---	0,18	---	---	44.383	127.806	44.383	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	26	>99999	1,5	---	Quadripolare	---	---	0,35	---	---	59.000	736.164	44.383	736.164	---	---	4,184	20	33	26	47	SI
PL 27.4	2(1x2,5)	15	>99999	1,57	---	Monofase L3+N	---	---	0,16	---	---	41.523	127.806	41.523	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	29	>99999	1,67	---	Quadripolare	---	---	0,31	---	---	59.663	736.164	41.523	736.164	---	---	4,184	20	33	26	47	SI
PL 27.3	2(1x2,5)	15	>99999	1,74	---	Monofase L1+N	---	---	0,14	---	---	38.886	127.806	38.886	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	30	>99999	1,85	---	Quadripolare	---	---	0,28	---	---	55.922	736.164	38.886	736.164	---	---	4,184	20	33	26	47	SI
PL 27.2	2(1x2,5)	15	>99999	1,92	---	Monofase L2+N	---	---	0,13	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	29	>99999	2	---	Quadripolare	---	---	0,25	---	---	52.684	736.164	0	736.164	---	---	3,487	20	33	26	47	SI
PL 27.1	2(1x2,5)	15	>99999	2,07	---	Monofase L3+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	21	>99999	2,1	---	Quadripolare	---	---	0,22	---	---	50.020	736.164	0	736.164	---	---	3,487	20	33	26	47	SI
Dorsale	4(1x6)	30	>99999	2,22	---	Quadripolare	---	---	0,21	---	---	48.315	736.164	0	736.164	---	---	2,79	20	33	26	47	SI
PL 5.5	2(1x2,5)	15	>99999	2,29	---	Monofase L2+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	27	>99999	2,3	---	Quadripolare	---	---	0,19	---	---	46.146	736.164	0	736.164	---	---	2,092	20	33	26	47	SI
Dorsale	4(1x6)	10	>99999	2,32	---	Quadripolare	---	---	0,18	---	---	44.417	736.164	0	736.164	---	---	1,395	20	33	26	47	SI
PL 7.1	2(1x2,5)	13	>99999	2,38	---	Monofase L1+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	36	>99999	2,39	---	Quadripolare	---	---	0,18	---	---	43.820	736.164	0	736.164	---	---	1,395	20	33	26	47	SI

PL 7.2	2(1x2,5)	13	>99999	2,45	---	Monofase L2+N	---	---	0,08	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	37	>99999	2,46	---	Quadripolare	---	---	0,16	---	---	41.856	736.164	0	736.164	---	---	1,395	20	33	26	47	SI
PL 7.3	2(1x2,5)	13	>99999	2,53	---	Monofase L3+N	---	---	0,07	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	30	>99999	2,49	---	Quadripolare	---	---	0,15	---	---	40.077	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 7.4	2(1x2,5)	13	>99999	2,56	---	Monofase L1+N	---	---	0,07	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	33	>99999	2,53	---	Quadripolare	---	---	0,14	---	---	38.786	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 7.5	2(1x2,5)	13	>99999	2,59	---	Monofase L2+N	---	---	0,07	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	33	>99999	2,56	---	Quadripolare	---	---	0,13	---	---	0	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 7.6	2(1x2,5)	13	>99999	2,62	---	Monofase L3+N	---	---	0,06	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
PL 5.6	2(1x2,5)	15	>99999	2,37	---	Monofase L3+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	29	>99999	2,33	---	Quadripolare	---	---	0,18	---	---	44.417	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 5.7	2(1x2,5)	15	>99999	2,4	---	Monofase L1+N	---	---	0,08	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	29	>99999	2,36	---	Quadripolare	---	---	0,17	---	---	42.751	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 5.8	2(1x2,5)	15	>99999	2,43	---	Monofase L2+N	---	---	0,08	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
PL 5.4	2(1x2,5)	15	>99999	2,17	---	Monofase L1+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	2,12	---	Quadripolare	---	---	0,21	---	---	48.315	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 5.3	2(1x2,5)	15	>99999	2,2	---	Monofase L3+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	30	>99999	2,15	---	Quadripolare	---	---	0,2	---	---	46.488	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 5.2	2(1x2,5)	15	>99999	2,23	---	Monofase L2+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	30	>99999	2,18	---	Quadripolare	---	---	0,18	---	---	44.537	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 5.1	2(1x2,5)	15	>99999	2,26	---	Monofase L1+N	---	---	0,08	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI

Quadro: Quadro Q.B					Cliente: Comune di Palermo			Descrizione: Circuito 1															
Sistema di distribuzione: TT					Resistenza di terra:			C.d.t. % Max ammessa: 5 %				Icc di barratura:				Tensione: 400/230 [V]							
Circuito					Apparecchiatura			Corto circuito										Sovraccarico			Test		
Lunghezza ≤ Lunghezza max C.d.t. % con I_b ≤ C.d.t. max								Icc max ≤ P.d.I.				I²t ≤ K²S²						I_b ≤ I_n ≤ I_z			I_f ≤ 1,45 I_z		
												FASE		NEUTRO		PROTEZIONE							
Sigla utenza	Sezione	L	L max	C.d.t.% con I_b	Tipo	Distribuzione	I_d	P.d.I.	Icc max	I di Int. Prot.	I gt Fondo Linea	I²t max Inizio Linea	K²S²	I²t max Inizio Linea	K²S²	I²t max Inizio Linea	K²S²	I_b	I_n	I_z	I_f	1.45I_z	
	[mm²]	[m]	[m]	[%]			[A]	[kA]	[kA]	[A]	[A]	[A²S]	[A²S]	[A²S]	[A²S]	[A²S]	[A²S]	[A]	[A]	[A]	[A]	[A]	
Circuito 1	4(1x4)	30	>99999	0,23	---	Quadripolare	---	6	6	---	---	20.718	327.184	18.048	327.184	---	---	3,487	20	26	26	38	SI
Dorsale verso 25.47	4(1x4)	26	>99999	0,31	---	Quadripolare	---	---	1,31	---	---	2.652	327.184	1.158	327.184	---	---	1,395	20	26	26	38	SI
PL 25.47	2(1x2,5)	15	>99999	0,38	---	Monofase L1+N	---	---	0,4	---	---	540	127.806	540	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	50	>99999	0,38	---	Quadripolare	---	---	0,76	---	---	1.285	327.184	540	327.184	---	---	0,697	20	26	26	38	SI
PL 25.48	2(1x2,5)	15	>99999	0,45	---	Monofase L3+N	---	---	0,21	---	---	48.846	127.806	48.846	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	50	>99999	0,46	---	Quadripolare	---	---	0,42	---	---	48.846	327.184	48.846	327.184	---	---	0,697	20	26	26	38	SI
PL 25.49	2(1x2,5)	15	>99999	0,53	---	Monofase L2+N	---	---	0,15	---	---	39.940	127.806	39.940	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	50	>99999	0,53	---	Quadripolare	---	---	0,29	---	---	57.419	327.184	39.940	327.184	---	---	0,697	20	26	26	38	SI
PL 25.50	2(1x2,5)	15	>99999	0,6	---	Monofase L1+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale verso 25.46	4(1x4)	27	>99999	0,39	---	Quadripolare	---	---	1,31	---	---	2.652	327.184	1.158	327.184	---	---	2,79	20	26	26	38	SI
PL 25.46	2(1x2,5)	15	>99999	0,46	---	Monofase L2+N	---	---	0,39	---	---	528	127.806	528	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	50	>99999	0,69	---	Quadripolare	---	---	0,75	---	---	1.258	327.184	528	327.184	---	---	2,79	20	26	26	38	SI
PL 25.45	2(1x2,5)	15	>99999	0,76	---	Monofase L3+N	---	---	0,21	---	---	48.610	127.806	48.610	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	50	>99999	0,91	---	Quadripolare	---	---	0,42	---	---	48.610	327.184	48.610	327.184	---	---	2,092	20	26	26	38	SI
PL 25.44	2(1x2,5)	15	>99999	0,98	---	Monofase L1+N	---	---	0,15	---	---	39.805	127.806	39.805	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	50	>99999	1,13	---	Quadripolare	---	---	0,29	---	---	57.230	327.184	39.805	327.184	---	---	2,092	20	26	26	38	SI
PL 25.43	2(1x2,5)	15	>99999	1,21	---	Monofase L2+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	50	>99999	1,36	---	Quadripolare	---	---	0,22	---	---	49.583	327.184	0	327.184	---	---	2,092	20	26	26	38	SI

PL 25.42	2(1x2,5)	15	>99999	1,43	---	Monofase L3+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	50	>99999	1,5	---	Quadripolare	---	---	0,18	---	---	44.289	327.184	0	327.184	---	---	1,395	20	26	26	38	SI
PL 25.41	2(1x2,5)	15	>99999	1,58	---	Monofase L1+N	---	---	0,08	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	50	>99999	1,65	---	Quadripolare	---	---	0,15	---	---	40.350	327.184	0	327.184	---	---	1,395	20	26	26	38	SI
PL 25.40	2(1x2,5)	15	>99999	1,72	---	Monofase L2+N	---	---	0,07	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	50	>99999	1,8	---	Quadripolare	---	---	0,13	---	---	0	327.184	0	327.184	---	---	1,395	20	26	26	38	SI
PL 25.39	2(1x2,5)	15	>99999	1,87	---	Monofase L3+N	---	---	0,06	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	50	>99999	1,88	---	Quadripolare	---	---	0,11	---	---	0	327.184	0	327.184	---	---	0,697	20	26	26	38	SI
PL 25.38	2(1x2,5)	15	>99999	1,95	---	Monofase L1+N	---	---	0,05	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	50	>99999	1,95	---	Quadripolare	---	---	0,1	---	---	0	327.184	0	327.184	---	---	0,697	20	26	26	38	SI
PL 25.37	2(1x2,5)	15	>99999	2,02	---	Monofase L2+N	---	---	0,05	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x4)	50	>99999	2,02	---	Quadripolare	---	---	0,09	---	---	0	327.184	0	327.184	---	---	0,697	20	26	26	38	SI
PL 25.36	2(1x2,5)	15	>99999	2,1	---	Monofase L3+N	---	---	0,04	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI

Quadro: Quadro Q.B					Cliente: Comune di Palermo			Descrizione: Circuito 2															
Sistema di distribuzione: TT					Resistenza di terra:			C.d.t. % Max ammessa: 5 %				Icc di barratura:				Tensione: 400/230 [V]							
Circuito					Apparecchiatura			Corto circuito										Sovraccarico				Test	
Lunghezza ≤ Lunghezza max C.d.t. % con I _b ≤ C.d.t. max								Icc max ≤ P.d.I.				I ² t ≤ K ² S ²						I _b ≤ I _n ≤ I _z			I _f ≤ 1,45 I _z		
												FASE		NEUTRO		PROTEZIONE							
Sigla utenza	Sezione	L	L max	C.d.t.% con I _b	Tipo	Distribuzione	I _d	P.d.I.	Icc max	I di Int. Prot.	I gt Fondo Linea	I ² t max Inizio Linea	K ² S ²	I ² t max Inizio Linea	K ² S ²	I ² t max Inizio Linea	K ² S ²	I _b	I _n	I _z	I _f	1.45I _z	
	[mm ²]	[m]	[m]	[%]			[A]	[kA]	[kA]	[A]	[A]	[A ² S]	[A ² S]	[A ² S]	[A ² S]	[A ² S]	[A ² S]	[A]	[A]	[A]	[A]	[A]	
Circuito 2	4(1x10)	30	>99999	0,32	---	Quadripolare	---	6	6	---	---	20.718	2.044.900	18.048	2.044.900	---	---	12	20	44	26	64	SI
PL 25.11	2(1x2,5)	15	>99999	0,39	---	Monofase L1+N	---	---	1,55	---	---	3.335	127.806	3.335	127.806	---	---	0,697	20	24	26	35	SI
Dorsale verso 25.12	4(1x10)	50	>99999	0,63	---	Quadripolare	---	---	2,59	---	---	6.478	2.044.900	3.335	2.044.900	---	---	7,516	20	44	26	64	SI
PL 25.12	2(1x2,5)	15	>99999	0,71	---	Monofase L3+N	---	---	0,68	---	---	1.114	127.806	1.114	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	14	>99999	0,72	---	Quadripolare	---	---	1,27	---	---	2.555	2.044.900	1.114	2.044.900	---	---	7,516	20	44	26	64	SI
Dorsale	4(1x10)	40	>99999	0,95	---	Quadripolare	---	---	1,11	---	---	2.129	2.044.900	918	2.044.900	---	---	6,819	20	44	26	64	SI
PL 25.13	2(1x2,5)	15	>99999	1,02	---	Monofase L2+N	---	---	0,42	---	---	594	127.806	594	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	50	>99999	1,23	---	Quadripolare	---	---	0,81	---	---	1.407	2.044.900	594	2.044.900	---	---	6,819	20	44	26	64	SI
PL 25.14	2(1x2,5)	15	>99999	1,31	---	Monofase L1+N	---	---	0,31	---	---	59.947	127.806	59.947	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	60	>99999	1,54	---	Quadripolare	---	---	0,61	---	---	59.947	2.044.900	59.947	2.044.900	---	---	6,121	20	44	26	64	SI
PL 25.15	2(1x2,5)	15	>99999	1,61	---	Monofase L3+N	---	---	0,24	---	---	51.854	127.806	51.854	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	5	>99999	1,57	---	Quadripolare	---	---	0,47	---	---	51.854	2.044.900	51.854	2.044.900	---	---	6,121	20	44	26	64	SI
PL 25.16	2(1x2,5)	15	>99999	1,64	---	Monofase L2+N	---	---	0,24	---	---	51.313	127.806	51.313	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	28	>99999	1,71	---	Quadripolare	---	---	0,46	---	---	51.313	2.044.900	51.313	2.044.900	---	---	6,121	20	44	26	64	SI
Dorsale verso 20.1	4(1x6)	10	>99999	1,73	---	Quadripolare	---	---	0,42	---	---	48.560	736.164	48.560	736.164	---	---	1,24	20	33	26	47	SI
PL 20.1	2(1x2,5)	10	>99999	1,75	---	Monofase L1+N	---	---	0,2	---	---	47.063	127.806	47.063	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	23	>99999	1,77	---	Quadripolare	---	---	0,39	---	---	47.063	736.164	47.063	736.164	---	---	1,24	20	33	26	47	SI
PL 20.2	2(1x2,5)	10	>99999	1,79	---	Monofase L2+N	---	---	0,18	---	---	44.066	127.806	44.066	127.806	---	---	0,31	20	24	26	35	SI

Dorsale	4(1x6)	23	>99999	1,81	---	Quadripolare	---	---	0,35	---	---	58.582	736.164	44.066	736.164	---	---	1,24	20	33	26	47	SI
PL 20.3	2(1x2,5)	10	>99999	1,83	---	Monofase L3+N	---	---	0,16	---	---	41.561	127.806	41.561	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	23	>99999	1,84	---	Quadripolare	---	---	0,31	---	---	59.710	736.164	41.561	736.164	---	---	0,93	20	33	26	47	SI
PL 20.4	2(1x2,5)	10	>99999	1,86	---	Monofase L1+N	---	---	0,14	---	---	39.423	127.806	39.423	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	23	>99999	1,87	---	Quadripolare	---	---	0,28	---	---	56.682	736.164	39.423	736.164	---	---	0,93	20	33	26	47	SI
PL 20.5	2(1x2,5)	10	>99999	1,89	---	Monofase L2+N	---	---	0,13	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	23	>99999	1,9	---	Quadripolare	---	---	0,26	---	---	54.057	736.164	0	736.164	---	---	0,93	20	33	26	47	SI
PL 20.6	2(1x2,5)	10	>99999	1,92	---	Monofase L3+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	23	>99999	1,92	---	Quadripolare	---	---	0,24	---	---	51.754	736.164	0	736.164	---	---	0,62	20	33	26	47	SI
PL 20.7	2(1x2,5)	10	>99999	1,94	---	Monofase L1+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	23	>99999	1,94	---	Quadripolare	---	---	0,22	---	---	49.711	736.164	0	736.164	---	---	0,62	20	33	26	47	SI
PL 20.8	2(1x2,5)	10	>99999	1,96	---	Monofase L2+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	23	>99999	1,96	---	Quadripolare	---	---	0,21	---	---	47.884	736.164	0	736.164	---	---	0,62	20	33	26	47	SI
PL 20.9	2(1x2,5)	10	>99999	1,98	---	Monofase L3+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	23	>99999	1,97	---	Quadripolare	---	---	0,19	---	---	46.237	736.164	0	736.164	---	---	0,31	20	33	26	47	SI
PL 20.10	2(1x2,5)	10	>99999	1,99	---	Monofase L1+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	23	>99999	1,98	---	Quadripolare	---	---	0,18	---	---	44.745	736.164	0	736.164	---	---	0,31	20	33	26	47	SI
PL 20.11	2(1x2,5)	10	>99999	2	---	Monofase L2+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	23	>99999	1,99	---	Quadripolare	---	---	0,17	---	---	43.382	736.164	0	736.164	---	---	0,31	20	33	26	47	SI
PL 20.12	2(1x2,5)	10	>99999	2,01	---	Monofase L3+N	---	---	0,08	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
PL 25.17	2(1x2,5)	15	>99999	1,78	---	Monofase L1+N	---	---	0,21	---	---	48.560	127.806	48.560	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	26	>99999	1,8	---	Quadripolare	---	---	0,42	---	---	48.560	2.044.900	48.560	2.044.900	---	---	4,184	20	44	26	64	SI
PL 25.18	2(1x2,5)	15	>99999	1,87	---	Monofase L3+N	---	---	0,19	---	---	46.349	127.806	46.349	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	25	>99999	1,89	---	Quadripolare	---	---	0,38	---	---	46.349	2.044.900	46.349	2.044.900	---	---	4,184	20	44	26	64	SI
PL 25.19	2(1x2,5)	15	>99999	1,96	---	Monofase L2+N	---	---	0,18	---	---	44.477	127.806	44.477	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	25	>99999	1,97	---	Quadripolare	---	---	0,35	---	---	59.117	2.044.900	44.477	2.044.900	---	---	4,184	20	44	26	64	SI
PL 25.20	2(1x2,5)	15	>99999	2,04	---	Monofase L1+N	---	---	0,17	---	---	42.807	127.806	42.807	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	25	>99999	2,05	---	Quadripolare	---	---	0,33	---	---	56.932	2.044.900	42.807	2.044.900	---	---	3,487	20	44	26	64	SI
PL 25.21	2(1x2,5)	15	>99999	2,12	---	Monofase L3+N	---	---	0,16	---	---	41.304	127.806	41.304	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	25	>99999	2,12	---	Quadripolare	---	---	0,31	---	---	59.345	2.044.900	41.304	2.044.900	---	---	3,487	20	44	26	64	SI
PL 25.22	2(1x2,5)	15	>99999	2,19	---	Monofase L2+N	---	---	0,15	---	---	39.945	127.806	39.945	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	25	>99999	2,19	---	Quadripolare	---	---	0,29	---	---	57.418	2.044.900	39.945	2.044.900	---	---	3,487	20	44	26	64	SI

PL 25.23	2(1x2,5)	15	>99999	2,26	---	Monofase L1+N	---	---	0,14	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	25	>99999	2,25	---	Quadripolare	---	---	0,27	---	---	55.659	2.044.900	0	2.044.900	---	---	2,79	20	44	26	64	SI
PL 25.24	2(1x2,5)	15	>99999	2,32	---	Monofase L3+N	---	---	0,13	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	25	>99999	2,31	---	Quadripolare	---	---	0,26	---	---	54.048	2.044.900	0	2.044.900	---	---	2,79	20	44	26	64	SI
PL 25.25	2(1x2,5)	15	>99999	2,38	---	Monofase L2+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	25	>99999	2,36	---	Quadripolare	---	---	0,25	---	---	52.562	2.044.900	0	2.044.900	---	---	2,79	20	44	26	64	SI
PL 25.26	2(1x2,5)	15	>99999	2,44	---	Monofase L1+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	25	>99999	2,41	---	Quadripolare	---	---	0,23	---	---	51.190	2.044.900	0	2.044.900	---	---	2,092	20	44	26	64	SI
PL 25.27	2(1x2,5)	15	>99999	2,48	---	Monofase L3+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	25	>99999	2,45	---	Quadripolare	---	---	0,22	---	---	49.914	2.044.900	0	2.044.900	---	---	2,092	20	44	26	64	SI
PL 25.28	2(1x2,5)	15	>99999	2,52	---	Monofase L2+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	25	>99999	2,49	---	Quadripolare	---	---	0,21	---	---	48.727	2.044.900	0	2.044.900	---	---	2,092	20	44	26	64	SI
PL 25.29	2(1x2,5)	15	>99999	2,57	---	Monofase L1+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	25	>99999	2,52	---	Quadripolare	---	---	0,2	---	---	47.618	2.044.900	0	2.044.900	---	---	1,395	20	44	26	64	SI
PL 25.30	2(1x2,5)	15	>99999	2,59	---	Monofase L3+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	25	>99999	2,55	---	Quadripolare	---	---	0,2	---	---	46.578	2.044.900	0	2.044.900	---	---	1,395	20	44	26	64	SI
PL 25.31	2(1x2,5)	15	>99999	2,62	---	Monofase L2+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	25	>99999	2,58	---	Quadripolare	---	---	0,19	---	---	45.600	2.044.900	0	2.044.900	---	---	1,395	20	44	26	64	SI
PL 25.32	2(1x2,5)	15	>99999	2,65	---	Monofase L1+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	25	>99999	2,6	---	Quadripolare	---	---	0,18	---	---	44.678	2.044.900	0	2.044.900	---	---	0,697	20	44	26	64	SI
PL 25.33	2(1x2,5)	15	>99999	2,67	---	Monofase L3+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	25	>99999	2,61	---	Quadripolare	---	---	0,17	---	---	43.809	2.044.900	0	2.044.900	---	---	0,697	20	44	26	64	SI
PL 25.34	2(1x2,5)	15	>99999	2,68	---	Monofase L2+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	25	>99999	2,62	---	Quadripolare	---	---	0,17	---	---	42.987	2.044.900	0	2.044.900	---	---	0,697	20	44	26	64	SI
PL 25.35	2(1x2,5)	15	>99999	2,7	---	Monofase L1+N	---	---	0,08	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
PL 9.2	2(1x2,5)	65	>99999	1,03	---	Monofase L3+N	---	---	0,59	---	---	918	127.806	918	127.806	---	---	0,697	20	24	26	35	SI
PL 9.1	2(1x2,5)	25	>99999	0,84	---	Monofase L2+N	---	---	0,59	---	---	918	127.806	918	127.806	---	---	0,697	20	24	26	35	SI
Dorsale verso 25.10	4(1x6)	48	>99999	0,61	---	Quadripolare	---	---	2,59	---	---	6.478	736.164	3.335	736.164	---	---	4,184	20	33	26	47	SI
PL 25.10	2(1x2,5)	15	>99999	0,68	---	Monofase L2+N	---	---	0,5	---	---	735	127.806	735	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	54	>99999	0,88	---	Quadripolare	---	---	0,95	---	---	1.726	736.164	735	736.164	---	---	3,487	20	33	26	47	SI
PL 25.9	2(1x2,5)	15	>99999	0,95	---	Monofase L3+N	---	---	0,28	---	---	56.598	127.806	56.598	127.806	---	---	0,697	20	24	26	35	SI

Dorsale	4(1x6)	49	>99999	1,12	---	Quadripolare	---	---	0,55	---	---	56.598	736.164	56.598	736.164	---	---	3,487	20	33	26	47	SI
PL 25.8	2(1x2,5)	15	>99999	1,19	---	Monofase L1+N	---	---	0,2	---	---	47.386	127.806	47.386	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	50	>99999	1,37	---	Quadripolare	---	---	0,4	---	---	47.386	736.164	47.386	736.164	---	---	3,487	20	33	26	47	SI
PL 25.7	2(1x2,5)	15	>99999	1,44	---	Monofase L2+N	---	---	0,16	---	---	41.384	127.806	41.384	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	48	>99999	1,56	---	Quadripolare	---	---	0,31	---	---	59.465	736.164	41.384	736.164	---	---	2,79	20	33	26	47	SI
PL 25.6	2(1x2,5)	15	>99999	1,63	---	Monofase L3+N	---	---	0,13	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	16	>99999	1,62	---	Quadripolare	---	---	0,26	---	---	53.661	736.164	0	736.164	---	---	2,79	20	33	26	47	SI
Dorsale verso 5.1	4(1x6)	16	>99999	1,65	---	Quadripolare	---	---	0,24	---	---	52.062	736.164	0	736.164	---	---	1,395	20	33	26	47	SI
PL 5.1	2(1x2,5)	15	>99999	1,73	---	Monofase L1+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	31	>99999	1,72	---	Quadripolare	---	---	0,23	---	---	50.591	736.164	0	736.164	---	---	1,395	20	33	26	47	SI
PL 5.2	2(1x2,5)	15	>99999	1,79	---	Monofase L2+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	33	>99999	1,75	---	Quadripolare	---	---	0,21	---	---	48.053	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 5.3	2(1x2,5)	15	>99999	1,82	---	Monofase L3+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	30	>99999	1,78	---	Quadripolare	---	---	0,19	---	---	45.718	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 5.4	2(1x2,5)	15	>99999	1,85	---	Monofase L1+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	30	>99999	1,81	---	Quadripolare	---	---	0,18	---	---	43.856	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 5.5	2(1x2,5)	15	>99999	1,88	---	Monofase L2+N	---	---	0,08	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	38	>99999	1,7	---	Quadripolare	---	---	0,24	---	---	52.062	736.164	0	736.164	---	---	1,395	20	33	26	47	SI
PL 25.5	2(1x2,5)	15	>99999	1,77	---	Monofase L1+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	54	>99999	1,81	---	Quadripolare	---	---	0,21	---	---	48.752	736.164	0	736.164	---	---	1,395	20	33	26	47	SI
PL 25.4	2(1x2,5)	15	>99999	1,88	---	Monofase L2+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	48	>99999	1,85	---	Quadripolare	---	---	0,18	---	---	44.947	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 25.3	2(1x2,5)	15	>99999	1,92	---	Monofase L3+N	---	---	0,08	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	50	>99999	1,9	---	Quadripolare	---	---	0,16	---	---	42.197	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 25.2	2(1x2,5)	15	>99999	1,97	---	Monofase L1+N	---	---	0,07	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	50	>99999	1,95	---	Quadripolare	---	---	0,15	---	---	39.792	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 25.1	2(1x2,5)	15	>99999	2,02	---	Monofase L2+N	---	---	0,07	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI

Quadro: Quadro Q.B					Cliente: Comune di Palermo			Descrizione: Circuito 3																
Sistema di distribuzione: TT					Resistenza di terra:			C.d.t. % Max ammessa: 5 %				Icc di barratura:				Tensione: 400/230 [V]								
Circuito					Apparecchiatura			Corto circuito										Sovraccarico				Test		
Lunghezza ≤ Lunghezza max C.d.t. % con I _b ≤ C.d.t. max								Icc max ≤ P.d.I.				I ² t ≤ K ² S ²						I _b ≤ I _n ≤ I _z			I _f ≤ 1,45 I _z			
												FASE		NEUTRO		PROTEZIONE								
Sigla utenza	Sezione	L	L max	C.d.t.% con I _b	Tipo	Distribuzione	I _d	P.d.I.	Icc max	I di Int. Prot.	I gt Fondo Linea	I ² t max Inizio Linea	K ² S ²	I ² t max Inizio Linea	K ² S ²	I ² t max Inizio Linea	K ² S ²	I _b	I _n	I _z	I _f	1.45I _z		
	[mm²]	[m]	[m]	[%]			[A]	[kA]	[kA]	[A]	[A]	[A²S]	[A²S]	[A²S]	[A²S]	[A²S]	[A²S]	[A]	[A]	[A]	[A]	[A]		
Circuito 3	4(1x2,5)	15	>99999	0,1	----	Quadripolare	---	6	6	---	---	20.718	127.806	18.048	127.806	---	---	1,86	20	20	26	29	SI	
PL 26.1	2(1x2,5)	8	>99999	0,12	---	Monofase L1+N	---	---	0,85	---	---	1.494	127.806	1.494	127.806	---	---	0,31	20	24	26	35	SI	
Dorsale	4(1x2,5)	7	>99999	0,14	---	Quadripolare	---	---	1,56	---	---	3.357	127.806	1.494	127.806	---	---	1,86	20	20	26	29	SI	
PL 26.2	2(1x2,5)	8	>99999	0,16	---	Monofase L2+N	---	---	0,61	---	---	948	127.806	948	127.806	---	---	0,31	20	24	26	35	SI	
Dorsale	4(1x2,5)	15	>99999	0,24	---	Quadripolare	---	---	1,14	---	---	2.199	127.806	948	127.806	---	---	1,86	20	20	26	29	SI	
Dorsale versione 26.9	4(1x2,5)	10	>99999	0,26	---	Quadripolare	---	---	0,72	---	---	1.192	127.806	499	127.806	---	---	0,62	20	20	26	29	SI	
PL 26.9	2(1x2,5)	8	>99999	0,28	---	Monofase L1+N	---	---	0,3	---	---	58.095	127.806	58.095	127.806	---	---	0,31	20	24	26	35	SI	
Dorsale	4(1x2,5)	10	>99999	0,27	---	Quadripolare	---	---	0,58	---	---	58.095	127.806	58.095	127.806	---	---	0,31	20	20	26	29	SI	
PL 26.12	2(1x2,5)	30	>99999	0,33	---	Monofase L1+N	---	---	0,25	---	---	52.605	127.806	52.605	127.806	---	---	0,31	20	24	26	35	SI	
PL 26.11	2(1x2,5)	18	>99999	0,31	---	Monofase L3+N	---	---	0,25	---	---	52.605	127.806	52.605	127.806	---	---	0,31	20	24	26	35	SI	
PL 26.10	2(1x2,5)	20	>99999	0,31	---	Monofase L2+N	---	---	0,25	---	---	52.605	127.806	52.605	127.806	---	---	0,31	20	24	26	35	SI	
Dorsale verso 26.13	4(1x2,5)	15	>99999	0,27	---	Quadripolare	---	---	0,72	---	---	1.192	127.806	499	127.806	---	---	0,62	20	20	26	29	SI	
PL 26.15	2(1x2,5)	30	>99999	0,33	---	Monofase L1+N	---	---	0,27	---	---	55.155	127.806	55.155	127.806	---	---	0,31	20	24	26	35	SI	
PL 26.14	2(1x2,5)	20	>99999	0,31	---	Monofase L3+N	---	---	0,27	---	---	55.155	127.806	55.155	127.806	---	---	0,31	20	24	26	35	SI	
PL 26.13	2(1x2,5)	8	>99999	0,29	---	Monofase L2+N	---	---	0,27	---	---	55.155	127.806	55.155	127.806	---	---	0,31	20	24	26	35	SI	
Dorsale verso 26.17	4(1x2,5)	14	>99999	0,29	---	Quadripolare	---	---	0,53	---	---	55.155	127.806	55.155	127.806	---	---	0,31	20	20	26	29	SI	
PL 26.18	2(1x2,5)	30	>99999	0,35	---	Monofase L3+N	---	---	0,21	---	---	48.762	127.806	48.762	127.806	---	---	0,31	20	24	26	35	SI	
PL 26.16	2(1x2,5)	21	>99999	0,33	---	Monofase L1+N	---	---	0,21	---	---	48.762	127.806	48.762	127.806	---	---	0,31	20	24	26	35	SI	

PL 26.17	2(1x2,5)	8	>99999	0,3	---	Monofase L2+N	---	---	0,21	---	---	48.762	127.806	48.762	127.806	---	---	0,31	20	24	26	35	SI
PL 26.3	2(1x2,5)	8	>99999	0,26	---	Monofase L3+N	---	---	0,37	---	---	499	127.806	499	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x2,5)	12	>99999	0,26	---	Quadripolare	---	---	0,72	---	---	1.192	127.806	499	127.806	---	---	0,62	20	20	26	29	SI
PL 26.4	2(1x2,5)	8	>99999	0,28	---	Monofase L2+N	---	---	0,29	---	---	56.867	127.806	56.867	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x2,5)	8	>99999	0,28	---	Quadripolare	---	---	0,56	---	---	56.867	127.806	56.867	127.806	---	---	0,62	20	20	26	29	SI
PL 26.7	2(1x2,5)	33	>99999	0,35	---	Monofase L3+N	---	---	0,25	---	---	52.605	127.806	52.605	127.806	---	---	0,31	20	24	26	35	SI
PL 26.6	2(1x2,5)	17	>99999	0,32	---	Monofase L1+N	---	---	0,25	---	---	52.605	127.806	52.605	127.806	---	---	0,31	20	24	26	35	SI
PL 26.8	2(1x2,5)	22	>99999	0,33	---	Monofase L2+N	---	---	0,25	---	---	52.605	127.806	52.605	127.806	---	---	0,31	20	24	26	35	SI
PL 26.5	2(1x2,5)	17	>99999	0,32	---	Monofase L3+N	---	---	0,25	---	---	52.605	127.806	52.605	127.806	---	---	0,31	20	24	26	35	SI

Quadro: Quadro Q.C					Cliente: Comune di Palermo			Descrizione: Circuito 1															
Sistema di distribuzione: TT					Resistenza di terra:			C.d.t. % Max ammessa: 5 %				Icc di barratura:				Tensione: 400/230 [V]							
Circuito					Apparecchiatura			Corto circuito										Sovraccarico			Test		
Lunghezza ≤ Lunghezza max C.d.t. % con I _b ≤ C.d.t. max								Icc max ≤ P.d.I.				I ² t ≤K ² S ²						I _b ≤ I _n ≤ I _z			I _f ≤ 1,45 I _z		
												FASE		NEUTRO		PROTEZIONE							
Sigla utenza	Sezione	L	L max	C.d.t.% con I _b	Tipo	Distribuzione	I _d	P.d.I.	Icc max	I di Int. Prot.	I gt Fondo Linea	I ² t max Inizio Linea	K ² S ²	I ² t max Inizio Linea	K ² S ²	I ² t max Inizio Linea	K ² S ²	I _b	I _n	I _z	I _f	1.45I _z	
	[mm ²]	[m]	[m]	[%]			[A]	[kA]	[kA]	[A]	[A]	[A ² S]	[A ² S]	[A ² S]	[A ² S]	[A ² S]	[A ² S]	[A]	[A]	[A]	[A]	[A]	
Circuito 1	4(1x10)	7	>99999	0,1	---	Quadripolare	---	6	6	---	---	20.718	2.044.900	18.048	2.044.900	---	---	12	20	44	26	64	SI
PL 4.1	2(1x2,5)	10	>99999	0,12	---	Monofase L1+N	---	---	3,5	---	---	9.793	127.806	9.793	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x10)	17	>99999	0,27	---	Quadripolare	---	---	4,55	---	---	14.539	2.044.900	9.793	2.044.900	---	---	12	20	44	26	64	SI
PL 4.2	2(1x2,5)	10	>99999	0,3	---	Monofase L2+N	---	---	1,82	---	---	4.098	127.806	4.098	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x10)	19	>99999	0,47	---	Quadripolare	---	---	2,93	---	---	7.680	2.044.900	4.098	2.044.900	---	---	12	20	44	26	64	SI
PL 4.3	2(1x2,5)	10	>99999	0,49	---	Monofase L3+N	---	---	1,17	---	---	2.276	127.806	2.276	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x10)	18	>99999	0,65	---	Quadripolare	---	---	2,05	---	---	4.767	2.044.900	2.276	2.044.900	---	---	12	20	44	26	64	SI
Dorsale	4(1x10)	19	>99999	0,84	---	Quadripolare	---	---	1,58	---	---	3.425	2.044.900	1.533	2.044.900	---	---	12	20	44	26	64	SI
PL 8.4	2(1x2,5)	10	>99999	0,86	---	Monofase L1+N	---	---	0,68	---	---	1.114	127.806	1.114	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x10)	19	>99999	1,03	---	Quadripolare	---	---	1,27	---	---	2.555	2.044.900	1.114	2.044.900	---	---	12	20	44	26	64	SI
PL 8.5	2(1x2,5)	10	>99999	1,05	---	Monofase L2+N	---	---	0,56	---	---	862	127.806	862	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x10)	19	>99999	1,22	---	Quadripolare	---	---	1,06	---	---	2.006	2.044.900	862	2.044.900	---	---	12	20	44	26	64	SI
PL 8.6	2(1x2,5)	10	>99999	1,24	---	Monofase L3+N	---	---	0,48	---	---	695	127.806	695	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x10)	19	>99999	1,4	---	Quadripolare	---	---	0,91	---	---	1.636	2.044.900	695	2.044.900	---	---	11	20	44	26	64	SI
PL 8.7	2(1x2,5)	10	>99999	1,42	---	Monofase L1+N	---	---	0,42	---	---	578	127.806	578	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x10)	5	>99999	1,44	---	Quadripolare	---	---	0,8	---	---	1.370	2.044.900	578	2.044.900	---	---	11	20	44	26	64	SI
PL 11.4	2(1x2,5)	15	>99999	1,52	---	Monofase L3+N	---	---	0,4	---	---	552	127.806	552	127.806	---	---	0,697	20	24	26	35	SI
Dorsale verso 11.5	4(1x10)	29	>99999	1,69	---	Quadripolare	---	---	0,77	---	---	1.313	2.044.900	552	2.044.900	---	---	10	20	44	26	64	SI
PL 11.5	2(1x2,5)	15	>99999	1,76	---	Monofase L1+N	---	---	0,34	---	---	438	127.806	438	127.806	---	---	0,697	20	24	26	35	SI

Dorsale	4(1x10)	27	>99999	1,92	---	Quadripolare	---	---	0,65	---	---	1.048	2.044.900	438	2.044.900	---	---	10	20	44	26	64	SI
PL 11.6	2(1x2,5)	15	>99999	2	---	Monofase L2+N	---	---	0,29	---	---	57.740	127.806	57.740	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x10)	13	>99999	2,03	---	Quadripolare	---	---	0,57	---	---	57.740	2.044.900	57.740	2.044.900	---	---	9,968	20	44	26	64	SI
Dorsale verso 19.1	4(1x10)	20	>99999	2,14	---	Quadripolare	---	---	0,54	---	---	55.885	2.044.900	55.885	2.044.900	---	---	6,249	20	44	26	64	SI
PL 19.1	2(1x2,5)	10	>99999	2,16	---	Monofase L3+N	---	---	0,25	---	---	53.341	127.806	53.341	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x10)	24	>99999	2,26	---	Quadripolare	---	---	0,49	---	---	53.341	2.044.900	53.341	2.044.900	---	---	5,939	20	44	26	64	SI
PL 19.2	2(1x2,5)	10	>99999	2,28	---	Monofase L1+N	---	---	0,23	---	---	50.686	127.806	50.686	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x10)	22	>99999	2,36	---	Quadripolare	---	---	0,45	---	---	50.686	2.044.900	50.686	2.044.900	---	---	5,939	20	44	26	64	SI
PL 19.3	2(1x2,5)	10	>99999	2,39	---	Monofase L2+N	---	---	0,21	---	---	48.560	127.806	48.560	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x10)	16	>99999	2,44	---	Quadripolare	---	---	0,42	---	---	48.560	2.044.900	48.560	2.044.900	---	---	5,939	20	44	26	64	SI
Dorsale verso 24.9	4(1x6)	10	>99999	2,49	---	Quadripolare	---	---	0,39	---	---	47.165	736.164	47.165	736.164	---	---	3,177	20	33	26	47	SI
PL 24.9	2(1x2,5)	10	>99999	2,51	---	Monofase L3+N	---	---	0,19	---	---	45.785	127.806	45.785	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	22	>99999	2,58	---	Quadripolare	---	---	0,37	---	---	45.785	736.164	45.785	736.164	---	---	2,867	20	33	26	47	SI
PL 24.10	2(1x2,5)	10	>99999	2,6	---	Monofase L1+N	---	---	0,17	---	---	43.115	127.806	43.115	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	24	>99999	2,68	---	Quadripolare	---	---	0,33	---	---	57.336	736.164	43.115	736.164	---	---	2,867	20	33	26	47	SI
Dorsale verso 29.2	4(1x6)	12	>99999	2,72	---	Quadripolare	---	---	0,3	---	---	58.433	736.164	40.659	736.164	---	---	2,557	20	33	26	47	SI
Dorsale verso 17.1	4(1x6)	10	>99999	2,75	---	Quadripolare	---	---	0,29	---	---	56.893	736.164	39.573	736.164	---	---	2,247	20	33	26	47	SI
Dorsale verso 29.1	4(1x6)	16	>99999	2,78	---	Quadripolare	---	---	0,27	---	---	55.695	736.164	38.729	736.164	---	---	1,007	20	33	26	47	SI
PL 29.1	2(1x2,5)	10	>99999	2,8	---	Monofase L3+N	---	---	0,13	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	30	>99999	2,81	---	Quadripolare	---	---	0,26	---	---	53.921	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 22.5	2(1x2,5)	15	>99999	2,88	---	Monofase L1+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	26	>99999	2,83	---	Quadripolare	---	---	0,23	---	---	50.991	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 22.4	2(1x2,5)	15	>99999	2,9	---	Monofase L3+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
PL 17.1	2(1x2,5)	10	>99999	2,77	---	Monofase L3+N	---	---	0,14	---	---	38.729	127.806	38.729	127.806	---	---	0,31	20	24	26	35	SI
Dorsale verso 17.2	4(1x6)	22	>99999	2,79	---	Quadripolare	---	---	0,27	---	---	55.695	736.164	38.729	736.164	---	---	1,24	20	33	26	47	SI
PL 17.2	2(1x2,5)	10	>99999	2,81	---	Monofase L2+N	---	---	0,13	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	23	>99999	2,82	---	Quadripolare	---	---	0,25	---	---	53.296	736.164	0	736.164	---	---	0,93	20	33	26	47	SI
Dorsale verso 18.2	4(1x6)	15	>99999	2,83	---	Quadripolare	---	---	0,23	---	---	51.081	736.164	0	736.164	---	---	0,31	20	33	26	47	SI

PL 18.2	2(1x2,5)	10	>99999	2,85	---	Monofase L2+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	2,84	---	Quadripolare	---	---	0,22	---	---	49.771	736.164	0	736.164	---	---	0,31	20	33	26	47	SI
PL 18.1	2(1x2,5)	10	>99999	2,86	---	Monofase L1+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale verso 18.3	4(1x6)	15	>99999	2,84	---	Quadripolare	---	---	0,23	---	---	51.081	736.164	0	736.164	---	---	0,62	20	33	26	47	SI
PL 18.3	2(1x2,5)	10	>99999	2,86	---	Monofase L3+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	23	>99999	2,85	---	Quadripolare	---	---	0,22	---	---	49.771	736.164	0	736.164	---	---	0,31	20	33	26	47	SI
PL 18.4	2(1x2,5)	10	>99999	2,87	---	Monofase L1+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	24	>99999	2,86	---	Quadripolare	---	---	0,21	---	---	47.938	736.164	0	736.164	---	---	0,31	20	33	26	47	SI
PL 18.5	2(1x2,5)	10	>99999	2,88	---	Monofase L2+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	24	>99999	2,87	---	Quadripolare	---	---	0,19	---	---	46.219	736.164	0	736.164	---	---	0,31	20	33	26	47	SI
PL 18.6	2(1x2,5)	10	>99999	2,89	---	Monofase L3+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
PL 17.3	2(1x2,5)	10	>99999	2,84	---	Monofase L1+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	19	>99999	2,83	---	Quadripolare	---	---	0,23	---	---	51.081	736.164	0	736.164	---	---	0,31	20	33	26	47	SI
PL 17.4	2(1x2,5)	10	>99999	2,85	---	Monofase L3+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	20	>99999	2,84	---	Quadripolare	---	---	0,22	---	---	49.439	736.164	0	736.164	---	---	0,31	20	33	26	47	SI
PL 17.5	2(1x2,5)	10	>99999	2,86	---	Monofase L2+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
PL 29.2	2(1x2,5)	10	>99999	2,74	---	Monofase L1+N	---	---	0,14	---	---	39.573	127.806	39.573	127.806	---	---	0,31	20	24	26	35	SI
Dorsale verso 29.3	4(1x6)	20	>99999	2,74	---	Quadripolare	---	---	0,29	---	---	56.893	736.164	39.573	736.164	---	---	0,62	20	33	26	47	SI
PL 29.3	2(1x2,5)	10	>99999	2,76	---	Monofase L2+N	---	---	0,13	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	22	>99999	2,75	---	Quadripolare	---	---	0,26	---	---	54.566	736.164	0	736.164	---	---	0,31	20	33	26	47	SI
PL 29.4	2(1x2,5)	10	>99999	2,77	---	Monofase L3+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	22	>99999	2,76	---	Quadripolare	---	---	0,24	---	---	52.299	736.164	0	736.164	---	---	0,31	20	33	26	47	SI
PL 29.5	2(1x2,5)	10	>99999	2,78	---	Monofase L1+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	22	>99999	2,77	---	Quadripolare	---	---	0,23	---	---	50.284	736.164	0	736.164	---	---	0,31	20	33	26	47	SI
PL 29.6	2(1x2,5)	10	>99999	2,79	---	Monofase L2+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale verso 24.12	4(1x6)	25	>99999	2,7	---	Quadripolare	---	---	0,3	---	---	58.433	736.164	40.659	736.164	---	---	0,697	20	33	26	47	SI
PL 24.12	2(1x2,5)	10	>99999	2,72	---	Monofase L3+N	---	---	0,14	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	17	>99999	2,72	---	Quadripolare	---	---	0,27	---	---	55.349	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 22.6	2(1x2,5)	15	>99999	2,79	---	Monofase L2+N	---	---	0,13	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
PL 24.11	2(1x2,5)	10	>99999	2,7	---	Monofase L2+N	---	---	0,15	---	---	40.659	127.806	40.659	127.806	---	---	0,31	20	24	26	35	SI

Dorsale verso 24.8	4(1x6)	12	>99999	2,49	---	Quadripolare	---	---	0,39	---	---	47.165	736.164	47.165	736.164	---	---	2,452	20	33	26	47	SI
PL 24.8	2(1x2,5)	10	>99999	2,51	---	Monofase L3+N	---	---	0,19	---	---	45.523	127.806	45.523	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	20	>99999	2,55	---	Quadripolare	---	---	0,37	---	---	45.523	736.164	45.523	736.164	---	---	2,142	20	33	26	47	SI
PL 24.7	2(1x2,5)	10	>99999	2,57	---	Monofase L2+N	---	---	0,17	---	---	43.115	127.806	43.115	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	20	>99999	2,61	---	Quadripolare	---	---	0,33	---	---	57.336	736.164	43.115	736.164	---	---	2,142	20	33	26	47	SI
PL 24.6	2(1x2,5)	10	>99999	2,63	---	Monofase L1+N	---	---	0,15	---	---	41.040	127.806	41.040	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	20	>99999	2,67	---	Quadripolare	---	---	0,31	---	---	58.973	736.164	41.040	736.164	---	---	2,142	20	33	26	47	SI
PL 24.5	2(1x2,5)	10	>99999	2,69	---	Monofase L3+N	---	---	0,14	---	---	39.229	127.806	39.229	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	20	>99999	2,72	---	Quadripolare	---	---	0,28	---	---	56.405	736.164	39.229	736.164	---	---	1,832	20	33	26	47	SI
Dorsale	4(1x6)	4	>99999	2,73	---	Quadripolare	---	---	0,26	---	---	54.134	736.164	0	736.164	---	---	1,522	20	33	26	47	SI
PL 16.1	2(1x2,5)	10	>99999	2,75	---	Monofase L3+N	---	---	0,13	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	21	>99999	2,77	---	Quadripolare	---	---	0,26	---	---	53.710	736.164	0	736.164	---	---	1,212	20	33	26	47	SI
PL 10.7	2(1x2,5)	30	>99999	2,83	---	Monofase L3+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
PL 16.2	2(1x2,5)	10	>99999	2,79	---	Monofase L2+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	13	>99999	2,77	---	Quadripolare	---	---	0,24	---	---	51.633	736.164	0	736.164	---	---	0,451	20	33	26	47	SI
PL 10.1	2(1x2,5)	12	>99999	2,81	---	Monofase L3+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	22	>99999	2,79	---	Quadripolare	---	---	0,23	---	---	50.457	736.164	0	736.164	---	---	0,451	20	33	26	47	SI
PL 10.2	2(1x2,5)	12	>99999	2,83	---	Monofase L1+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	22	>99999	2,8	---	Quadripolare	---	---	0,21	---	---	48.633	736.164	0	736.164	---	---	0,451	20	33	26	47	SI
PL 10.3	2(1x2,5)	12	>99999	2,84	---	Monofase L2+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale verso 10.6	4(1x6)	15	>99999	2,78	---	Quadripolare	---	---	0,24	---	---	51.633	736.164	0	736.164	---	---	0,451	20	33	26	47	SI
PL 10.6	2(1x2,5)	12	>99999	2,81	---	Monofase L2+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	22	>99999	2,79	---	Quadripolare	---	---	0,23	---	---	50.284	736.164	0	736.164	---	---	0,451	20	33	26	47	SI
PL 10.5	2(1x2,5)	12	>99999	2,83	---	Monofase L1+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	22	>99999	2,8	---	Quadripolare	---	---	0,21	---	---	48.475	736.164	0	736.164	---	---	0,451	20	33	26	47	SI
PL 10.3	2(1x2,5)	12	>99999	2,84	---	Monofase L3+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
PL 24.4	2(1x2,5)	10	>99999	2,74	---	Monofase L2+N	---	---	0,13	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	20	>99999	2,73	---	Quadripolare	---	---	0,26	---	---	54.134	736.164	0	736.164	---	---	0,31	20	33	26	47	SI
PL 24.3	2(1x2,5)	10	>99999	2,75	---	Monofase L1+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	20	>99999	2,74	---	Quadripolare	---	---	0,24	---	---	52.106	736.164	0	736.164	---	---	0,31	20	33	26	47	SI
PL 24.2	2(1x2,5)	10	>99999	2,76	---	Monofase L3+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI

Dorsale	4(1x6)	20	>99999	2,75	---	Quadripolare	---	---	0,23	---	---	50.284	736.164	0	736.164	---	---	0,31	20	33	26	47	SI
PL 24.1	2(1x2,5)	10	>99999	2,77	---	Monofase L2+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	5	>99999	2,45	---	Quadripolare	---	---	0,39	---	---	47.165	736.164	47.165	736.164	---	---	0,451	20	33	26	47	SI
PL 19.4	2(1x2,5)	10	>99999	2,47	---	Monofase L3+N	---	---	0,2	---	---	46.460	127.806	46.460	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	19	>99999	2,46	---	Quadripolare	---	---	0,38	---	---	46.460	736.164	46.460	736.164	---	---	0,451	20	33	26	47	SI
PL 19.5	2(1x2,5)	10	>99999	2,48	---	Monofase L1+N	---	---	0,18	---	---	44.032	127.806	44.032	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	12	>99999	2,47	---	Quadripolare	---	---	0,35	---	---	58.538	736.164	44.032	736.164	---	---	0,451	20	33	26	47	SI
PL 19.6	2(1x2,5)	20	>99999	2,53	---	Monofase L2+N	---	---	0,17	---	---	42.675	127.806	42.675	127.806	---	---	0,451	20	24	26	35	SI
Dorsale verso 15.1	4(1x6)	3	>99999	2,04	---	Quadripolare	---	---	0,54	---	---	55.885	736.164	55.885	736.164	---	---	2,015	20	33	26	47	SI
PL 15.1	2(1x2,5)	10	>99999	2,06	---	Monofase L1+N	---	---	0,27	---	---	55.193	127.806	55.193	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	17	>99999	2,08	---	Quadripolare	---	---	0,52	---	---	55.193	736.164	55.193	736.164	---	---	1,705	20	33	26	47	SI
PL 15.2	2(1x2,5)	10	>99999	2,1	---	Monofase L2+N	---	---	0,24	---	---	51.692	127.806	51.692	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	20	>99999	2,13	---	Quadripolare	---	---	0,47	---	---	51.692	736.164	51.692	736.164	---	---	1,705	20	33	26	47	SI
PL 15.3	2(1x2,5)	10	>99999	2,15	---	Monofase L3+N	---	---	0,21	---	---	48.292	127.806	48.292	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	22	>99999	2,18	---	Quadripolare	---	---	0,41	---	---	48.292	736.164	48.292	736.164	---	---	1,705	20	33	26	47	SI
PL 15.4	2(1x2,5)	10	>99999	2,21	---	Monofase L1+N	---	---	0,19	---	---	45.208	127.806	45.208	127.806	---	---	0,31	20	24	26	35	SI
Dorsale verso 23.3	4(1x6)	8	>99999	2,19	---	Quadripolare	---	---	0,36	---	---	45.208	736.164	45.208	736.164	---	---	0,697	20	33	26	47	SI
PL 23.3	2(1x2,5)	15	>99999	2,26	---	Monofase L2+N	---	---	0,18	---	---	44.218	127.806	44.218	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	2,22	---	Quadripolare	---	---	0,35	---	---	58.782	736.164	44.218	736.164	---	---	0,697	20	33	26	47	SI
PL 23.2	2(1x2,5)	15	>99999	2,29	---	Monofase L3+N	---	---	0,16	---	---	41.488	127.806	41.488	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	2,24	---	Quadripolare	---	---	0,31	---	---	59.608	736.164	41.488	736.164	---	---	0,697	20	33	26	47	SI
PL 23.1	2(1x2,5)	15	>99999	2,31	---	Monofase L1+N	---	---	0,14	---	---	39.192	127.806	39.192	127.806	---	---	0,697	20	24	26	35	SI
Dorsale verso 23.4	4(1x6)	26	>99999	2,21	---	Quadripolare	---	---	0,36	---	---	45.208	736.164	45.208	736.164	---	---	0,697	20	33	26	47	SI
PL 23.4	2(1x2,5)	15	>99999	2,28	---	Monofase L1+N	---	---	0,16	---	---	42.203	127.806	42.203	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	12	>99999	2,22	---	Quadripolare	---	---	0,32	---	---	56.143	736.164	42.203	736.164	---	---	0,697	20	33	26	47	SI
PL 23.6	2(1x2,5)	25	>99999	2,34	---	Monofase L2+N	---	---	0,15	---	---	40.997	127.806	40.997	127.806	---	---	0,697	20	24	26	35	SI
PL 23.5	2(1x2,5)	25	>99999	2,34	---	Monofase L3+N	---	---	0,15	---	---	40.997	127.806	40.997	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	18	>99999	2,09	---	Quadripolare	---	---	0,54	---	---	55.885	736.164	55.885	736.164	---	---	2,402	20	33	26	47	SI
PL 11.7	2(1x2,5)	15	>99999	2,17	---	Monofase L3+N	---	---	0,24	---	---	52.071	127.806	52.071	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	28	>99999	2,19	---	Quadripolare	---	---	0,47	---	---	52.071	736.164	52.071	736.164	---	---	2,402	20	33	26	47	SI

PL 11.8	2(1x2,5)	15	>99999	2,26	---	Monofase L1+N	---	---	0,2	---	---	47.392	127.806	47.392	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	10	>99999	2,22	---	Quadripolare	---	---	0,4	---	---	47.392	736.164	47.392	736.164	---	---	2,015	20	33	26	47	SI
PL 22.1	2(1x2,5)	15	>99999	2,29	---	Monofase L2+N	---	---	0,19	---	---	45.991	127.806	45.991	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	5	>99999	2,23	---	Quadripolare	---	---	0,38	---	---	45.991	736.164	45.991	736.164	---	---	1,705	20	33	26	47	SI
Dorsale verso 2.1	4(1x6)	8	>99999	2,24	---	Quadripolare	---	---	0,37	---	---	45.335	736.164	45.335	736.164	---	---	0,62	20	33	26	47	SI
PL 2.1	2(1x2,5)	10	>99999	2,26	---	Monofase L2+N	---	---	0,18	---	---	44.340	127.806	44.340	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	10	>99999	2,24	---	Quadripolare	---	---	0,35	---	---	58.939	736.164	44.340	736.164	---	---	0,31	20	33	26	47	SI
PL 2.2	2(1x2,5)	10	>99999	2,26	---	Monofase L3+N	---	---	0,17	---	---	43.177	127.806	43.177	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	10	>99999	2,25	---	Quadripolare	---	---	0,33	---	---	57.419	736.164	43.177	736.164	---	---	0,31	20	33	26	47	SI
PL 2.3	2(1x2,5)	10	>99999	2,27	---	Monofase L1+N	---	---	0,16	---	---	42.099	127.806	42.099	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	10	>99999	2,25	---	Quadripolare	---	---	0,32	---	---	56.005	736.164	42.099	736.164	---	---	0,31	20	33	26	47	SI
PL 2.4	2(1x2,5)	10	>99999	2,27	---	Monofase L2+N	---	---	0,16	---	---	41.095	127.806	41.095	127.806	---	---	0,31	20	24	26	35	SI
Dorsale verso 22.2	4(1x6)	44	>99999	2,32	---	Quadripolare	---	---	0,37	---	---	45.335	736.164	45.335	736.164	---	---	1,395	20	33	26	47	SI
PL 22.2	2(1x2,5)	10	>99999	2,34	---	Monofase L3+N	---	---	0,15	---	---	40.524	127.806	40.524	127.806	---	---	0,31	20	24	26	35	SI
Dorsale	4(1x6)	10	>99999	2,34	---	Quadripolare	---	---	0,3	---	---	58.243	736.164	40.524	736.164	---	---	1,395	20	33	26	47	SI
Dorsale	4(1x6)	5	>99999	2,34	---	Quadripolare	---	---	0,29	---	---	56.962	736.164	39.622	736.164	---	---	0,697	20	33	26	47	SI
PL 22.3	2(1x2,5)	15	>99999	2,41	---	Monofase L2+N	---	---	0,14	---	---	39.192	127.806	39.192	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	20	>99999	2,36	---	Quadripolare	---	---	0,28	---	---	56.353	736.164	39.192	736.164	---	---	0,697	20	33	26	47	SI
PL 27.8	2(1x2,5)	15	>99999	2,43	---	Monofase L3+N	---	---	0,13	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	27	>99999	2,39	---	Quadripolare	---	---	0,26	---	---	54.086	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 27.7	2(1x2,5)	15	>99999	2,46	---	Monofase L1+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
PL 22.7	2(1x2,5)	34	>99999	2,5	---	Monofase L1+N	---	---	0,14	---	---	39.622	127.806	39.622	127.806	---	---	0,697	20	24	26	35	SI
Dorsale verso 11.3	4(1x6)	29	>99999	1,47	---	Quadripolare	---	---	0,77	---	---	1.313	736.164	552	736.164	---	---	0,697	20	33	26	47	SI
PL 11.3	2(1x2,5)	15	>99999	1,55	---	Monofase L2+N	---	---	0,3	---	---	58.657	127.806	58.657	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	29	>99999	1,5	---	Quadripolare	---	---	0,59	---	---	58.657	736.164	58.657	736.164	---	---	0,697	20	33	26	47	SI
PL 11.2	2(1x2,5)	15	>99999	1,57	---	Monofase L1+N	---	---	0,24	---	---	52.075	127.806	52.075	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	29	>99999	1,53	---	Quadripolare	---	---	0,47	---	---	52.075	736.164	52.075	736.164	---	---	0,697	20	33	26	47	SI
PL 11.1	2(1x2,5)	15	>99999	1,6	---	Monofase L3+N	---	---	0,2	---	---	47.248	127.806	47.248	127.806	---	---	0,697	20	24	26	35	SI
PL 8.1	2(1x2,5)	50	>99999	0,76	---	Monofase L1+N	---	---	0,87	---	---	1.533	127.806	1.533	127.806	---	---	0,31	20	24	26	35	SI
PL 8.2	2(1x2,5)	30	>99999	0,72	---	Monofase L2+N	---	---	0,87	---	---	1.533	127.806	1.533	127.806	---	---	0,31	20	24	26	35	SI

PL 8.3	2(1x2,5)	10	>99999	0,68	---	Monofase L3+N	---	---	0,87	---	---	1.533	127.806	1.533	127.806	---	---	0,31	20	24	26	35	SI
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Quadro: Quadro Q.C					Cliente: Comune di Palermo			Descrizione: Circuito 2															
Sistema di distribuzione: TT					Resistenza di terra:			C.d.t. % Max ammessa: 5 %				Icc di barratura:				Tensione: 400/230 [V]							
Circuito					Apparecchiatura			Corto circuito										Sovraccarico				Test	
Lunghezza ≤ Lunghezza max C.d.t. % con I _b ≤ C.d.t. max								Icc max ≤ P.d.I.				I ² t ≤ K ² S ²						I _b ≤ I _n ≤ I _z			I _f ≤ 1,45 I _z		
												FASE		NEUTRO		PROTEZIONE							
Sigla utenza	Sezione	L	L max	C.d.t.% con I _b	Tipo	Distribuzione	I _d	P.d.I.	Icc max	I di Int. Prot.	I gt Fondo Linea	I ² t max Inizio Linea	K ² S ²	I ² t max Inizio Linea	K ² S ²	I ² t max Inizio Linea	K ² S ²	I _b	I _n	I _z	I _f	1.45I _z	
	[mm ²]	[m]	[m]	[%]			[A]	[kA]	[kA]	[A]	[A]	[A ² S]	[A ² S]	[A ² S]	[A ² S]	[A ² S]	[A ² S]	[A]	[A]	[A]	[A]	[A]	
Circuito 2	4(1x6)	30	>99999	0,43	5SL64207	Quadripolare	---	6	6	---	---	20.718	736.164	18.048	736.164	---	---	9,353	20	33	26	47	SI
Dorsale	4(1x6)	5	>99999	0,49	---	Quadripolare	---	---	1,8	---	---	4.025	736.164	1.854	736.164	---	---	8,656	20	33	26	47	SI
PL 21.3	2(1x2,5)	15	>99999	0,56	---	Monofase L3+N	---	---	0,88	---	---	1.554	127.806	1.554	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	0,8	---	Quadripolare	---	---	1,6	---	---	3.467	736.164	1.554	736.164	---	---	8,656	20	33	26	47	SI
PL 21.4	2(1x2,5)	15	>99999	0,87	---	Monofase L1+N	---	---	0,54	---	---	817	127.806	817	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	24	>99999	1,08	---	Quadripolare	---	---	1,03	---	---	1.909	736.164	817	736.164	---	---	7,958	20	33	26	47	SI
PL 21.5	2(1x2,5)	15	>99999	1,15	---	Monofase L2+N	---	---	0,4	---	---	539	127.806	539	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	9	>99999	1,18	---	Quadripolare	---	---	0,76	---	---	1.283	736.164	539	736.164	---	---	7,958	20	33	26	47	SI
Dorsale verso 14.10	4(1x6)	11	>99999	1,27	---	Quadripolare	---	---	0,69	---	---	1.134	736.164	475	736.164	---	---	5,866	20	33	26	47	SI
PL 14.10	2(1x2,5)	11	>99999	1,31	---	Monofase L3+N	---	---	0,32	---	---	412	127.806	412	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	30	>99999	1,52	---	Quadripolare	---	---	0,63	---	---	990	736.164	412	736.164	---	---	5,866	20	33	26	47	SI
PL 14.9	2(1x2,5)	11	>99999	1,56	---	Monofase L2+N	---	---	0,25	---	---	53.335	127.806	53.335	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	29	>99999	1,77	---	Quadripolare	---	---	0,49	---	---	53.335	736.164	53.335	736.164	---	---	5,866	20	33	26	47	SI
PL 14.8	2(1x2,5)	11	>99999	1,8	---	Monofase L1+N	---	---	0,21	---	---	48.195	127.806	48.195	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	18	>99999	1,91	---	Quadripolare	---	---	0,41	---	---	48.195	736.164	48.195	736.164	---	---	5,415	20	33	26	47	SI
Dorsale verso 13.6	4(1x6)	18	>99999	1,94	---	Quadripolare	---	---	0,37	---	---	45.643	736.164	45.643	736.164	---	---	1,354	20	33	26	47	SI
PL 13.6	2(1x2,5)	11	>99999	1,98	---	Monofase L3+N	---	---	0,17	---	---	43.443	127.806	43.443	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	27	>99999	1,99	---	Quadripolare	---	---	0,34	---	---	57.771	736.164	43.443	736.164	---	---	1,354	20	33	26	47	SI

PL 13.7	2(1x2,5)	11	>99999	2,03	---	Monofase L1+N	---	---	0,15	---	---	40.652	127.806	40.652	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	27	>99999	2,03	---	Quadripolare	---	---	0,3	---	---	58.426	736.164	40.652	736.164	---	---	0,902	20	33	26	47	SI
PL 13.8	2(1x2,5)	11	>99999	2,06	---	Monofase L2+N	---	---	0,14	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	27	>99999	2,06	---	Quadripolare	---	---	0,27	---	---	55.115	736.164	0	736.164	---	---	0,902	20	33	26	47	SI
PL 13.9	2(1x2,5)	11	>99999	2,1	---	Monofase L3+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	27	>99999	2,1	---	Quadripolare	---	---	0,24	---	---	52.292	736.164	0	736.164	---	---	0,902	20	33	26	47	SI
PL 13.10	2(1x2,5)	11	>99999	2,13	---	Monofase L1+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	27	>99999	2,12	---	Quadripolare	---	---	0,22	---	---	49.849	736.164	0	736.164	---	---	0,451	20	33	26	47	SI
PL 13.11	2(1x2,5)	11	>99999	2,15	---	Monofase L2+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	27	>99999	2,13	---	Quadripolare	---	---	0,21	---	---	47.708	736.164	0	736.164	---	---	0,451	20	33	26	47	SI
PL 13.12	2(1x2,5)	11	>99999	2,17	---	Monofase L3+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	27	>99999	2,15	---	Quadripolare	---	---	0,19	---	---	45.811	736.164	0	736.164	---	---	0,451	20	33	26	47	SI
PL 13.13	2(1x2,5)	11	>99999	2,18	---	Monofase L1+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale verso 13.5	4(1x6)	6	>99999	1,92	---	Quadripolare	---	---	0,37	---	---	45.643	736.164	45.643	736.164	---	---	0,902	20	33	26	47	SI
PL 13.5	2(1x2,5)	11	>99999	1,95	---	Monofase L2+N	---	---	0,18	---	---	44.875	127.806	44.875	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	1,95	---	Quadripolare	---	---	0,36	---	---	59.644	736.164	44.875	736.164	---	---	0,902	20	33	26	47	SI
PL 13.4	2(1x2,5)	11	>99999	1,98	---	Monofase L1+N	---	---	0,16	---	---	42.033	127.806	42.033	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	1,96	---	Quadripolare	---	---	0,32	---	---	55.922	736.164	42.033	736.164	---	---	0,451	20	33	26	47	SI
PL 13.3	2(1x2,5)	11	>99999	2	---	Monofase L3+N	---	---	0,15	---	---	39.654	127.806	39.654	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	1,98	---	Quadripolare	---	---	0,29	---	---	57.009	736.164	39.654	736.164	---	---	0,451	20	33	26	47	SI
PL 13.2	2(1x2,5)	11	>99999	2,01	---	Monofase L2+N	---	---	0,13	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	2	---	Quadripolare	---	---	0,26	---	---	54.127	736.164	0	736.164	---	---	0,451	20	33	26	47	SI
PL 13.1	2(1x2,5)	11	>99999	2,03	---	Monofase L1+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	12	>99999	1,97	---	Quadripolare	---	---	0,37	---	---	45.643	736.164	45.643	736.164	---	---	3,61	20	33	26	47	SI
PL 14.7	2(1x2,5)	11	>99999	2	---	Monofase L3+N	---	---	0,18	---	---	44.143	127.806	44.143	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	30	>99999	2,12	---	Quadripolare	---	---	0,35	---	---	58.686	736.164	44.143	736.164	---	---	3,61	20	33	26	47	SI
PL 14.12	2(1x2,5)	55	>99999	2,29	---	Monofase L1+N	---	---	0,15	---	---	40.937	127.806	40.937	127.806	---	---	0,451	20	24	26	35	SI
PL 14.11	2(1x2,5)	30	>99999	2,22	---	Monofase L2+N	---	---	0,15	---	---	40.937	127.806	40.937	127.806	---	---	0,451	20	24	26	35	SI
PL 14.6	2(1x2,5)	11	>99999	2,16	---	Monofase L2+N	---	---	0,15	---	---	40.937	127.806	40.937	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	26	>99999	2,24	---	Quadripolare	---	---	0,3	---	---	58.830	736.164	40.937	736.164	---	---	3,159	20	33	26	47	SI
PL 14.5	2(1x2,5)	11	>99999	2,28	---	Monofase L1+N	---	---	0,14	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI

Dorsale	4(1x6)	26	>99999	2,36	---	Quadripolare	---	---	0,27	---	---	55.572	736.164	0	736.164	---	---	3,159	20	33	26	47	SI
PL 14.4	2(1x2,5)	11	>99999	2,39	---	Monofase L3+N	---	---	0,13	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	14	>99999	2,41	---	Quadripolare	---	---	0,25	---	---	52.785	736.164	0	736.164	---	---	2,707	20	33	26	47	SI
PL 28.7	2(1x2,5)	12	>99999	2,45	---	Monofase L2+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale verso 28.8	4(1x6)	25	>99999	2,46	---	Quadripolare	---	---	0,24	---	---	51.441	736.164	0	736.164	---	---	1,354	20	33	26	47	SI
PL 28.8	2(1x2,5)	12	>99999	2,5	---	Monofase L3+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	28	>99999	2,5	---	Quadripolare	---	---	0,22	---	---	49.268	736.164	0	736.164	---	---	0,902	20	33	26	47	SI
PL 28.9	2(1x2,5)	12	>99999	2,53	---	Monofase L1+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	28	>99999	2,53	---	Quadripolare	---	---	0,2	---	---	47.122	736.164	0	736.164	---	---	0,902	20	33	26	47	SI
PL 28.10	2(1x2,5)	12	>99999	2,57	---	Monofase L2+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	28	>99999	2,57	---	Quadripolare	---	---	0,19	---	---	45.224	736.164	0	736.164	---	---	0,902	20	33	26	47	SI
PL 28.11	2(1x2,5)	12	>99999	2,61	---	Monofase L3+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	28	>99999	2,59	---	Quadripolare	---	---	0,17	---	---	43.532	736.164	0	736.164	---	---	0,451	20	33	26	47	SI
PL 28.12	2(1x2,5)	12	>99999	2,62	---	Monofase L1+N	---	---	0,08	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	28	>99999	2,6	---	Quadripolare	---	---	0,16	---	---	42.009	736.164	0	736.164	---	---	0,451	20	33	26	47	SI
PL 28.13	2(1x2,5)	12	>99999	2,64	---	Monofase L2+N	---	---	0,08	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	28	>99999	2,62	---	Quadripolare	---	---	0,15	---	---	40.630	736.164	0	736.164	---	---	0,451	20	33	26	47	SI
PL 28.14	2(1x2,5)	12	>99999	2,66	---	Monofase L3+N	---	---	0,07	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale verso 28.6	4(1x6)	25	>99999	2,44	---	Quadripolare	---	---	0,24	---	---	51.441	736.164	0	736.164	---	---	0,902	20	33	26	47	SI
PL 28.6	2(1x2,5)	12	>99999	2,48	---	Monofase L1+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	2,48	---	Quadripolare	---	---	0,22	---	---	49.268	736.164	0	736.164	---	---	0,902	20	33	26	47	SI
PL 28.5	2(1x2,5)	12	>99999	2,51	---	Monofase L2+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	2,51	---	Quadripolare	---	---	0,2	---	---	47.339	736.164	0	736.164	---	---	0,902	20	33	26	47	SI
PL 28.4	2(1x2,5)	12	>99999	2,55	---	Monofase L3+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	2,52	---	Quadripolare	---	---	0,19	---	---	45.612	736.164	0	736.164	---	---	0,451	20	33	26	47	SI
PL 28.3	2(1x2,5)	12	>99999	2,56	---	Monofase L1+N	---	---	0,09	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	2,54	---	Quadripolare	---	---	0,18	---	---	44.055	736.164	0	736.164	---	---	0,451	20	33	26	47	SI
PL 28.2	2(1x2,5)	12	>99999	2,58	---	Monofase L2+N	---	---	0,08	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	2,56	---	Quadripolare	---	---	0,17	---	---	42.643	736.164	0	736.164	---	---	0,451	20	33	26	47	SI
PL 28.1	2(1x2,5)	12	>99999	2,59	---	Monofase L3+N	---	---	0,08	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	14	>99999	2,42	---	Quadripolare	---	---	0,24	---	---	51.441	736.164	0	736.164	---	---	0,451	20	33	26	47	SI

PL 14.3	2(1x2,5)	11	>99999	2,46	---	Monofase L2+N	---	---	0,11	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	28	>99999	2,44	---	Quadripolare	---	---	0,23	---	---	50.190	736.164	0	736.164	---	---	0,451	20	33	26	47	SI
PL 14.2	2(1x2,5)	11	>99999	2,47	---	Monofase L1+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	30	>99999	2,46	---	Quadripolare	---	---	0,21	---	---	47.932	736.164	0	736.164	---	---	0,451	20	33	26	47	SI
PL 14.1	2(1x2,5)	11	>99999	2,49	---	Monofase L3+N	---	---	0,1	---	---	0	127.806	0	127.806	---	---	0,451	20	24	26	35	SI
Dorsale	4(1x6)	18	>99999	1,23	---	Quadripolare	---	---	0,69	---	---	1.134	736.164	475	736.164	---	---	2,092	20	33	26	47	SI
PL 21.7	2(1x2,5)	15	>99999	1,31	---	Monofase L3+N	---	---	0,3	---	---	58.755	127.806	58.755	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	26	>99999	1,31	---	Quadripolare	---	---	0,59	---	---	58.755	736.164	58.755	736.164	---	---	2,092	20	33	26	47	SI
PL 21.8	2(1x2,5)	15	>99999	1,38	---	Monofase L1+N	---	---	0,25	---	---	52.729	127.806	52.729	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	1,36	---	Quadripolare	---	---	0,48	---	---	52.729	736.164	52.729	736.164	---	---	1,395	20	33	26	47	SI
PL 21.9	2(1x2,5)	15	>99999	1,43	---	Monofase L2+N	---	---	0,21	---	---	48.350	127.806	48.350	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	1,41	---	Quadripolare	---	---	0,41	---	---	48.350	736.164	48.350	736.164	---	---	1,395	20	33	26	47	SI
PL 21.10	2(1x2,5)	15	>99999	1,48	---	Monofase L3+N	---	---	0,18	---	---	44.875	127.806	44.875	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	1,46	---	Quadripolare	---	---	0,36	---	---	59.644	736.164	44.875	736.164	---	---	1,395	20	33	26	47	SI
PL 21.11	2(1x2,5)	15	>99999	1,53	---	Monofase L1+N	---	---	0,16	---	---	42.033	127.806	42.033	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	1,48	---	Quadripolare	---	---	0,32	---	---	55.922	736.164	42.033	736.164	---	---	0,697	20	33	26	47	SI
PL 21.12	2(1x2,5)	15	>99999	1,56	---	Monofase L2+N	---	---	0,15	---	---	39.654	127.806	39.654	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	1,51	---	Quadripolare	---	---	0,29	---	---	57.009	736.164	39.654	736.164	---	---	0,697	20	33	26	47	SI
PL 21.13	2(1x2,5)	15	>99999	1,58	---	Monofase L3+N	---	---	0,13	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
Dorsale	4(1x6)	25	>99999	1,53	---	Quadripolare	---	---	0,26	---	---	54.127	736.164	0	736.164	---	---	0,697	20	33	26	47	SI
PL 21.14	2(1x2,5)	15	>99999	1,61	---	Monofase L1+N	---	---	0,12	---	---	0	127.806	0	127.806	---	---	0,697	20	24	26	35	SI
PL 21.2	2(1x2,5)	33	>99999	0,58	---	Monofase L2+N	---	---	1	---	---	1.854	127.806	1.854	127.806	---	---	0,697	20	24	26	35	SI
PL 21.1	2(1x2,5)	60	>99999	0,71	---	Monofase L1+N	---	---	1	---	---	1.854	127.806	1.854	127.806	---	---	0,697	20	24	26	35	SI