

ENATS 09-6 ISSUE 5

INDEX:

- MULTICORE CABLES TO 06/1Kv.
- MULTIPAIR CABLES TO 5KV & 15KV.
- MULTIPAIR CABLES TO 100V.



ENATS 09-6 ISSUE 5 MULTICORE

Cable	Auxiliary Multicore and Multipair Cables
Standard	ENATS 09-6 Issue 5
Voltage	06/1KV
Description	Copper, Multi Core, PVC- Insulation, Armour, PVC Sheath
Cable type	ENATS 09-6 Issue 5 Multicore

Electrical data a 20°C

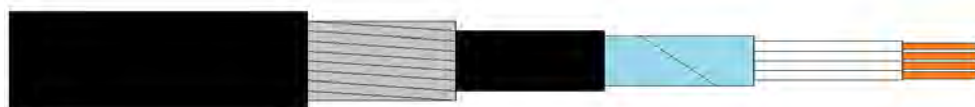
Conductor size	Nom	mm ²	2,5
Conductor resistance	Max	Ω/km	
stranded / Class 2			7,41
Insulation resistance	Min.	MΩxkm	
Individual conductor			9
Mutual capacitance 1kHz	Max.	nF/km	
Nominal equivalent star			440
Test voltage		V	
Ums core: core			5000

Properties for cable

Code Colour	White numbered
Fire Resistant	N.A.
Flame Retardant	IEC 60332-3-24
Low Smoke Emission	N.A.
Other Properties	
Minimum Bending Radius	10 X O.D.

Properties for outer sheath

Limiting Oxygen Index	N.A.
Amount of halogen acid gas	HCl<15%
Oil Resistance	N.A.
Sunlight Resistance	UL 1581 Section 1200
Temperature Installation	-5°C/50°C
Temperature Operating	-30°C/50°C



Nº Cores	Cores	RT Insulation Nominal	RT Inner sheath	∅ over inner sheath	∅ of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm ² /uds	mm	mm	mm	mm	mm	mm	kgr/km	

2	2,50mm ² /7	0,7	0,8	8,50	0,9	1,4	13,10	364	ENA8-2C2.5-5KV
3	2,50mm ² /7	0,7	0,8	9,01	0,9	1,4	13,61	407	ENA8-3C2.5-5KV
4	2,50mm ² /7	0,7	0,8	9,89	0,9	1,4	14,49	469	ENA8-4C2.5-5KV
7	2,50mm ² /7	0,7	0,8	11,90	1,25	1,5	17,40	716	ENA8-7C2.5-5KV
12	2,50mm ² /7	0,7	0,8	15,84	1,25	1,6	21,54	1081	ENA8-12C2.5-5KV
19	2,50mm ² /7	0,7	1,0	19,88	1,6	1,7	26,48	1683	ENA8-19C2.5-5KV
27	2,50mm ² /7	0,7	1,0	23,32	1,6	1,8	30,12	2164	ENA8-27C2.5-5KV
37	2,50mm ² /7	0,7	1,0	26,92	1,6	1,9	33,92	2727	ENA8-37C2.5-5KV



ENATS 09-6 ISSUE 5 MULTIPAIR 5KV

Cable	Auxiliary Multicore and Multipair Cables
Standard	ENATS 09-6 Issue 5
Voltage	5KV
Description	Copper, Multi Pair, PE- Insulation, PE Inner Sheath, Armour, PVC Sheath
Cable type	ENATS 09-6 Issue 5 Multipair

Electrical data a 20°C

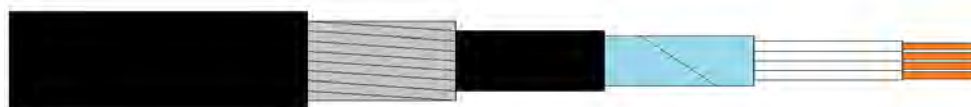
Conductor size	Nom	mm ²	0,64
Conductor resistance	Max	Ω/km	
solid / Class 1			28,69
Insulation resistance	Min.	MΩxkm	
Individual conductor			9000
Mutual capacitance 1kHz	Max.	nF/km	
Nominal equivalent star			50
Test voltage		V	
Ums core: core			5000

Properties for cable

Code Colour	ENATS 09-6 Issue 5 * Table 1
Fire Resistant	N.A.
Flame Retardant	IEC 60332-3-24
Low Smoke Emission	N.A.
Other Properties	
Minimum Bending Radius	10 X O.D.

Properties for outer sheath

Limiting Oxygen Index	N.A.
Amount of halogen acid gas	HCl<15%
Oil Resistance	N.A.
Sunlight Resistance	UL 1581 Section 1200
Temperature Installation	-5°C/50°C
Temperature Operating	-30°C/50°C



Nº Pairs	Cores	RT Insulation Nominal	RT Inner sheath	∅ over inner sheath	∅ of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm ² /uds	mm	mm	mm	mm	mm	mm	kgr/km	
4	0.64mm ² /1	0,5	0,8	9,79	0,9	1,4	14,39	359	ENA5-4P064-5KV
7	0.64mm ² /1	0,5	0,8	11,69	0,9	1,5	16,49	469	ENA5-7P064-5KV
19	0.64mm ² /1	0,5	1,0	18,55	1,6	1,7	25,15	1151	ENA5-19P064-5KV
37	0.64mm ² /1	0,5	1,0	24,93	1,6	1,9	31,93	1763	ENA5-37P064-5KV
61	0.64mm ² /1	0,5	1,2	31,72	2	2,1	39,92	2748	ENA5-61P064-5KV

Code colour ENATS 09-6 Issue 5 Table 1

4 Pair Cable	1	Black	Violet
	2	Red	Yellow
	3	Green	Brown
	4	Blue	White

7 Pair Cable to 61 Pair Cable	1	Red	Yellow	32	Green	Brown
	2	Black	Violet	33	Red	Yellow
	3	Orange	Grey	34	Green	Brown
	4	Green	Brown	35	Red	Yellow
	5	Orange	Blue	36	Green	Brown
	6	Green	Brown	37	Blue	White
	7	Orange	White	38	Black	Violet
	8	Black	Violet	39	Red	Yellow
	9	Red	Yellow	40	Green	Brown
	10	Green	Brown	41	Red	Yellow
	11	Red	Yellow	42	Green	Brown
	12	Green	Brown	43	Red	Yellow
	13	Red	Yellow	44	Green	Brown
	14	Green	Brown	45	Red	Yellow
	15	Red	Yellow	46	Green	Brown
	16	Green	Brown	47	Red	Yellow
	17	Red	Yellow	48	Green	Brown
	18	Green	Brown	49	Red	Yellow
	19	Blue	White	50	Red	Yellow
	20	Black	Violet	51	Green	Brown
	21	Red	Yellow	52	Red	Yellow
	22	Green	Brown	53	Green	Brown
	23	Red	Yellow	54	Red	Yellow
	24	Green	Brown	55	Green	Brown
	25	Red	Yellow	56	Red	Yellow
	26	Green	Brown	57	Green	Brown
	27	Red	Yellow	58	Red	Yellow
	28	Green	Brown	59	Green	Brown
	29	Red	Yellow	60	Red	Yellow
	30	Green	Brown	61	Blue	White
	31	Red	Yellow			



ENATS 09-6 ISSUE 5 MULTIPAIR 15KV

Cable	Auxiliary Multicore and Multipair Cables
Standard	ENATS 09-6 Issue 5
Voltage	15KV
Description	Copper, Multi Pair, PE- Insulation, PE Inner Sheath, Armour, PVC Sheath
Cable type	ENATS 09-6 Issue 5 Multipair

Electrical data a 20°C

Conductor size	Nom	mm ²	0,64
Conductor resistance	Max	Ω/km	
solid / Class 1			28,69
Insulation resistance	Min.	MΩxkm	
Individual conductor			9000
Mutual capacitance 1kHz	Max.	nF/km	
Nominal equivalent star			40
Test voltage		V	
Ums core: core			10000
Ums core: armour			15000

Properties for cable

Code Colour	ENATS 09-6 Issue 5 * Table 1
Fire Resistant	N.A.
Flame Retardant	IEC 60332-3-24
Low Smoke Emission	N.A.
Other Properties	
Minimum Bending Radius	10 X O.D.

Properties for outer sheath

Limiting Oxygen Index	N.A.
Amount of halogen acid gas	HCl<15%
Oil Resistance	N.A.
Sunlight Resistance	UL 1581 Section 1200
Temperature Installation	-5°C/50°C
Temperature Operating	-30°C/50°C

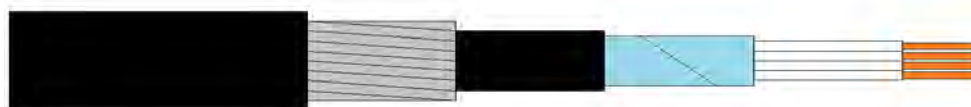


Nº Pairs	Cores	RT Insulation Nominal	RT Inner sheath	Ø over inner sheath	Ø of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm²/uds	mm	mm	mm	mm	mm	mm	kgr/km	
4	0.64mm²/1	0,8	1,8	14,25	1,25	1,6	19,95	667	ENA5-4P064-15KV
7	0.64mm²/1	0,8	1,8	16,75	1,25	1,6	22,45	819	ENA5-7P064-15KV
19	0.64mm²/1	0,8	1,8	25,25	1,6	1,9	32,25	1626	ENA5-19P064-15KV
37	0.64mm²/1	0,8	1,8	33,65	2	2,1	41,85	2703	ENA5-37P064-15KV
61	0.64mm²/1	0,8	1,8	42,05	2,5	2,4	51,85	4152	ENA5-61P064-15KV

Code colour ENATS 09-6 Issue 5 Table 1

4 Pair Cable	1	Black	Violet
	2	Red	Yellow
	3	Green	Brown
	4	Blue	White

7 Pair Cable to 61 Pair Cable	1	Red	Yellow	32	Green	Brown
	2	Black	Violet	33	Red	Yellow
	3	Orange	Grey	34	Green	Brown
	4	Green	Brown	35	Red	Yellow
	5	Orange	Blue	36	Green	Brown
	6	Green	Brown	37	Blue	White
	7	Orange	White	38	Black	Violet
	8	Black	Violet	39	Red	Yellow
	9	Red	Yellow	40	Green	Brown
	10	Green	Brown	41	Red	Yellow
	11	Red	Yellow	42	Green	Brown
	12	Green	Brown	43	Red	Yellow
	13	Red	Yellow	44	Green	Brown
	14	Green	Brown	45	Red	Yellow
	15	Red	Yellow	46	Green	Brown
	16	Green	Brown	47	Red	Yellow
	17	Red	Yellow	48	Green	Brown
	18	Green	Brown	49	Red	Yellow
	19	Blue	White	50	Red	Yellow
	20	Black	Violet	51	Green	Brown
	21	Red	Yellow	52	Red	Yellow
	22	Green	Brown	53	Green	Brown
	23	Red	Yellow	54	Red	Yellow
	24	Green	Brown	55	Green	Brown
	25	Red	Yellow	56	Red	Yellow
	26	Green	Brown	57	Green	Brown
	27	Red	Yellow	58	Red	Yellow
	28	Green	Brown	59	Green	Brown
	29	Red	Yellow	60	Red	Yellow
	30	Green	Brown	61	Blue	White
	31	Red	Yellow			



ENATS 09-6 ISSUE 5 MULTIPAIR FILLED 5KV

Cable Standard	Auxiliary Multicore and Multipair Cables
Voltage	ENATS 09-6 Issue 5
Description	5KV
Cable type	Copper, Multi Pair, PE- Insulation, PJF, PE Inner Sheath, Armour, PVC Sheath
	ENATS 09-6 Issue 5 Multipair Filled

Electrical data a 20°C

Conductor size	Nom	mm ²	0,64
Conductor resistance	Max	Ω/km	
solid / Class 1			28,69
Insulation resistance	Min.	MΩxkm	
Individual conductor			5000
Mutual capacitance 1kHz	Max.	nF/km	
Nominal equivalent star			60
Test voltage		V	
Ums core: core			5000

Properties for cable

Code Colour	ENATS 09-6 Issue 5 * Table 1
Fire Resistant	N.A.
Flame Retardant	IEC 60332-3-24
Low Smoke Emission	N.A.
Other Properties	
Minimum Bending Radius	10 X O.D.

Properties for outer sheath

Limiting Oxygen Index	N.A.
Amount of halogen acid gas	HCl<15%
Oil Resistance	N.A.
Sunlight Resistance	UL 1581 Section 1200
Temperature Installation	-5°C/50°C
Temperature Operating	-30°C/50°C



Nº Pairs	Cores	RT Insulation Nominal	RT Inner sheath	Ø over inner sheath	Ø of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm²/uds	mm	mm	mm	mm	mm	mm	kgr/km	
4	0.64mm²/1	0,5	0,8	9,99	0,9	1,4	14,59	386	ENA5-4P064-5KV-PJF
7	0.64mm²/1	0,5	0,8	11,89	0,9	1,5	16,69	504	ENA5-7P064-5KV-PJF
19	0.64mm²/1	0,5	1,0	18,75	1,6	1,7	25,35	1249	ENA5-19P064-5KV-PJF
37	0.64mm²/1	0,5	1,0	25,13	1,6	1,9	32,13	1919	ENA5-37P064-5KV-PJF
61	0.64mm²/1	0,5	1,2	31,92	2	2,1	40,12	3030	ENA5-61P064-5KV-PJF

Code colour ENATS 09-6 Issue 5 Table 1

4 Pair Cable	1	Black	Violet
	2	Red	Yellow
	3	Green	Brown
	4	Blue	White

7 Pair Cable to 61 Pair Cable	1	Red	Yellow	32	Green	Brown
	2	Black	Violet	33	Red	Yellow
	3	Orange	Grey	34	Green	Brown
	4	Green	Brown	35	Red	Yellow
	5	Orange	Blue	36	Green	Brown
	6	Green	Brown	37	Blue	White
	7	Orange	White	38	Black	Violet
	8	Black	Violet	39	Red	Yellow
	9	Red	Yellow	40	Green	Brown
	10	Green	Brown	41	Red	Yellow
	11	Red	Yellow	42	Green	Brown
	12	Green	Brown	43	Red	Yellow
	13	Red	Yellow	44	Green	Brown
	14	Green	Brown	45	Red	Yellow
	15	Red	Yellow	46	Green	Brown
	16	Green	Brown	47	Red	Yellow
	17	Red	Yellow	48	Green	Brown
	18	Green	Brown	49	Red	Yellow
	19	Blue	White	50	Red	Yellow
	20	Black	Violet	51	Green	Brown
	21	Red	Yellow	52	Red	Yellow
	22	Green	Brown	53	Green	Brown
	23	Red	Yellow	54	Red	Yellow
	24	Green	Brown	55	Green	Brown
	25	Red	Yellow	56	Red	Yellow
	26	Green	Brown	57	Green	Brown
	27	Red	Yellow	58	Red	Yellow
	28	Green	Brown	59	Green	Brown
	29	Red	Yellow	60	Red	Yellow
	30	Green	Brown	61	Blue	White
	31	Red	Yellow			



ENATS 09-6 ISSUE 5 MULTIPAIR FILLED 15KV

Cable	Auxiliary Multicore and Multipair Cables
Standard	ENATS 09-6 Issue 5
Voltage	15KV
Description	Copper, Multi Pair, PE- Insulation, PJF, PE Inner Sheath, Armour, PVC Sheath
Cable type	ENATS 09-6 Issue 5 Multipair Filled

Electrical data a 20°C

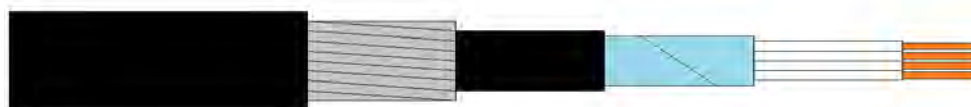
Conductor size	Nom	mm ²	0,64
Conductor resistance solid / Class 1	Max	Ω/km	
			28,69
Insulation resistance Individual conductor	Min.	MΩxkm	
			5000
Mutual capacitance 1kHz Nominal equivalent star	Max.	nF/km	
			50
Test voltage		V	
Ums core: core			10000
Ums core: armour			15000

Properties for cable

Code Colour	ENATS 09-6 Issue 5 * Table 1
Fire Resistant	N.A.
Flame Retardant	IEC 60332-3-24
Low Smoke Emission	N.A.
Other Properties	
Minimum Bending Radius	10 X O.D.

Properties for outer sheath

Limiting Oxygen Index	N.A.
Amount of halogen acid gas	HCl<15%
Oil Resistance	N.A.
Sunlight Resistance	UL 1581 Section 1200
Temperature Installation	-5°C/50°C
Temperature Operating	-30°C/50°C



Nº Pairs	Cores	RT Insulation Nominal	RT Inner sheath	Ø over inner sheath	Ø of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm ² /uds	mm	mm	mm	mm	mm	mm	kgr/km	
4	0.64mm ² /1	0,8	1,8	14,45	1,25	1,6	20,15	705	ENA5-4P064-15KV-PJF
7	0.64mm ² /1	0,8	1,8	16,95	1,25	1,6	22,65	880	ENA5-7P064-15KV-PJF
19	0.64mm ² /1	0,8	1,8	25,45	1,6	1,9	32,45	1765	ENA5-19P064-15KV-PJF
37	0.64mm ² /1	0,8	1,8	33,85	2	2,1	42,05	2972	ENA5-37P064-15KV-PJF
61	0.64mm ² /1	0,8	1,8	42,25	2,5	2,4	52,05	4603	ENA5-61P064-15KV-PJF

Code colour ENATS 09-6 Issue 5 Table 1

4 Pair Cable	1	Black	Violet
	2	Red	Yellow
	3	Green	Brown
	4	Blue	White

7 Pair Cable to 61 Pair Cable	1	Red	Yellow	32	Green	Brown
	2	Black	Violet	33	Red	Yellow
	3	Orange	Grey	34	Green	Brown
	4	Green	Brown	35	Red	Yellow
	5	Orange	Blue	36	Green	Brown
	6	Green	Brown	37	Blue	White
	7	Orange	White	38	Black	Violet
	8	Black	Violet	39	Red	Yellow
	9	Red	Yellow	40	Green	Brown
	10	Green	Brown	41	Red	Yellow
	11	Red	Yellow	42	Green	Brown
	12	Green	Brown	43	Red	Yellow
	13	Red	Yellow	44	Green	Brown
	14	Green	Brown	45	Red	Yellow
	15	Red	Yellow	46	Green	Brown
	16	Green	Brown	47	Red	Yellow
	17	Red	Yellow	48	Green	Brown
	18	Green	Brown	49	Red	Yellow
	19	Blue	White	50	Red	Yellow
	20	Black	Violet	51	Green	Brown
	21	Red	Yellow	52	Red	Yellow
	22	Green	Brown	53	Green	Brown
	23	Red	Yellow	54	Red	Yellow
	24	Green	Brown	55	Green	Brown
	25	Red	Yellow	56	Red	Yellow
	26	Green	Brown	57	Green	Brown
	27	Red	Yellow	58	Red	Yellow
	28	Green	Brown	59	Green	Brown
	29	Red	Yellow	60	Red	Yellow
	30	Green	Brown	61	Blue	White
	31	Red	Yellow			



ENATS 09-6 ISSUE 5 MULTIPAIR ARMOUR

Cable	Auxiliary Multicore and Multipair Cables
Standard	ENATS 09-6 Issue 5
Voltage	100V
Description	Tinned Copper, Multi Pair, PVC- Insulation, Armour, PVC Sheath
Cable type	ENATS 09-6 Issue 5 Multipair Light Current

Electrical data a 20°C

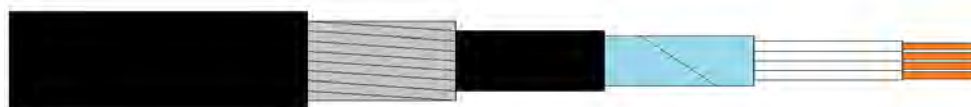
Conductor size	Nom	mm ²	0,64
Conductor resistance	Max	Ω/km	
solid / Class 1			29,063
Insulation resistance	Min.	MΩxkm	
Individual conductor			80
Test voltage		V	
Ums core: core			2000
Ums core: armour			5000

Properties for cable

Code Colour	ENATS 09-6 Issue 5 * Table 1
Fire Resistant	N.A.
Flame Retardant	IEC 60332-3-24
Low Smoke Emission	N.A.
Other Properties	
Minimum Bending Radius	10 X O.D.

Properties for outer sheath

Limiting Oxygen Index	N.A.
Amount of halogen acid gas	HCl<15%
Oil Resistance	N.A.
Sunlight Resistance	UL 1581 Section 1200
Temperature Installation	-5°C/50°C
Temperature Operating	-30°C/50°C



Nº Pairs	Cores	RT Insulation Nominal	RT Inner sheath	∅ over inner sheath	∅ of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm ² /uds	mm	mm	mm	mm	mm	mm	kgr/km	

2	0.64mm ² /1	0,3	0,8	5,52	0,9	1,3	9,92	214	ENA5-2P064-4A0G1B
5	0.64mm ² /1	0,3	1,0	9,20	0,9	1,4	13,80	382	ENA5-5P064-4A0G1B
10	0.64mm ² /1	0,3	1,1	12,10	1,25	1,5	17,60	655	ENA5-10P064-4A0G2B
15	0.64mm ² /1	0,3	1,2	14,03	1,25	1,6	19,73	820	ENA5-15P064-4A0G2B
20	0.64mm ² /1	0,3	1,2	15,78	1,25	1,6	21,48	966	ENA5-20P064-4A0G2B
25	0.64mm ² /1	0,3	1,3	17,53	1,6	1,7	24,13	1252	ENA5-25P064-4A0G3B
30	0.64mm ² /1	0,3	1,4	19,12	1,6	1,7	25,72	1418	ENA5-30P064-4A0G3B
40	0.64mm ² /1	0,3	1,4	21,60	1,6	1,8	28,40	1715	ENA5-40P064-4A0G3B
50	0.64mm ² /1	0,3	1,6	24,19	1,6	1,9	31,19	2027	ENA5-50P064-4A0G3B
75	0.64mm ² /1	0,3	1,7	28,87	2	2,0	36,87	2904	ENA5-75P064-4A0G4B
100	0.64mm ² /1	0,3	1,9	32,66	2	2,2	41,06	3606	ENA5-100P064-4A0G4B

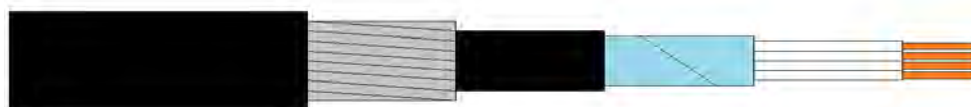
Code colour ENATS 09-6 Issue 5 Table 1

2 Pair Cable (quad)	1	Black	Orange	Green	Brown
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5 Pair Cables to 50 Pair Cables	1	Black	Blue	26	White	Yellow
	2	Black	Orange	27	White	Violet
	3	Black	Green	28	Blue	Red
	4	Black	Brown	29	Blue	Yellow
	5	Black	Grey	30	Blue	Violet
	6	Blue	White	31	Green	Red
	7	Blue	Orange	32	Green	Yellow
	8	Blue	Green	33	Green	Violet
	9	Blue	Brown	34	Red	Grey
	10	Blue	Grey	35	Red	Orange
	11	Orange	White	36	Red	Yellow
	12	Orange	Green	37	Red	Brown
	13	Orange	Brown	38	Red	Violet
	14	Orange	Grey	39	Grey	Yellow
	15	Green	White	40	Grey	Violet
	16	Green	Brown	41	Orange	Yellow
	17	Green	Grey	42	Orange	Violet
	18	Brown	White	43	Yellow	Brown
	19	Brown	Grey	44	Yellow	Violet
	20	Grey	White	45	Brown	Violet
	21	Black	White	46	Violet	Black
	22	Black	Red	47	Violet	Blue
	23	Black	Yellow	48	Violet	Red
	24	Black	Violet	49	Violet	Orange
	25	White	Red	50	Violet	Yellow

For 75 pairs cables – Pairs 1 to 50 plus 1 to 25 inclusive

For 100 pairs cables – Pairs 1 to 50 plus 1 to 50 inclusive



ENATS 09-6 ISSUE 5 MULTIPAIR ARMOUR SCREEN

Cable	Auxiliary Multicore and Multipair Cables
Standard	ENATS 09-6 Issue 5
Voltage	100V
Description	Tinned Copper, Multi Pair, PVC- Insulation, Collective, Armour, PVC Sheath
Cable type	ENATS 09-6 Issue 5 Multipair Light Current

Electrical data a 20°C

Conductor size	Nom	mm ²	0,64
Conductor resistance	Max	Ω/km	
solid / Class 1			29,063
Insulation resistance	Min.	MΩxkm	
Individual conductor			80
Test voltage		V	
Ums core: core			2000
Ums core: armour			5000

Properties for cable

Code Colour	ENATS 09-6 Issue 5 * Table 1
Fire Resistant	N.A.
Flame Retardant	IEC 60332-3-24
Low Smoke Emission	N.A.
Other Properties	
Minimum Bending Radius	10 X O.D.

Properties for outer sheath

Limiting Oxygen Index	N.A.
Amount of halogen acid gas	HCl<15%
Oil Resistance	N.A.
Sunlight Resistance	UL 1581 Section 1200
Temperature Installation	-5°C/50°C
Temperature Operating	-30°C/50°C



Nº Pairs	Cores	RT Insulation Nominal	RT Inner sheath	Ø over inner sheath	Ø of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm ² /uds	mm	mm	mm	mm	mm	mm	kgr/km	

2	0.64mm ² /1	0,3	0,8	5,62	0,9	1,3	10,02	221	ENA5-2P064-4A1G1B
5	0.64mm ² /1	0,3	1,0	9,30	0,9	1,4	13,90	395	ENA5-5P064-4A1G1B
10	0.64mm ² /1	0,3	1,1	12,20	1,25	1,5	17,70	664	ENA5-10P064-4A1G2B
15	0.64mm ² /1	0,3	1,2	14,13	1,25	1,6	19,83	829	ENA5-15P064-4A1G2B
20	0.64mm ² /1	0,3	1,2	15,88	1,25	1,6	21,58	976	ENA5-20P064-4A1G2B
25	0.64mm ² /1	0,3	1,3	17,63	1,6	1,7	24,23	1280	ENA5-25P064-4A1G3B
30	0.64mm ² /1	0,3	1,4	19,22	1,6	1,7	25,82	1429	ENA5-30P064-4A1G3B
40	0.64mm ² /1	0,3	1,4	21,70	1,6	1,8	28,50	1727	ENA5-40P064-4A1G3B
50	0.64mm ² /1	0,3	1,6	24,29	1,6	1,9	31,29	2040	ENA5-50P064-4A1G3B
75	0.64mm ² /1	0,3	1,7	28,97	2	2,0	36,97	2918	ENA5-75P064-4A1G4B
100	0.64mm ² /1	0,3	1,9	32,76	2	2,2	41,16	3621	ENA5-100P064-4A1G4B

Code colour ENATS 09-6 Issue 5 Table 1

2 Pair Cable (quad)	1	Black	Orange	Green	Brown
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5 Pair Cables to 50 Pair Cables	1	Black	Blue	26	White	Yellow
	2	Black	Orange	27	White	Violet
	3	Black	Green	28	Blue	Red
	4	Black	Brown	29	Blue	Yellow
	5	Black	Grey	30	Blue	Violet
	6	Blue	White	31	Green	Red
	7	Blue	Orange	32	Green	Yellow
	8	Blue	Green	33	Green	Violet
	9	Blue	Brown	34	Red	Grey
	10	Blue	Grey	35	Red	Orange
	11	Orange	White	36	Red	Yellow
	12	Orange	Green	37	Red	Brown
	13	Orange	Brown	38	Red	Violet
	14	Orange	Grey	39	Grey	Yellow
	15	Green	White	40	Grey	Violet
	16	Green	Brown	41	Orange	Yellow
	17	Green	Grey	42	Orange	Violet
	18	Brown	White	43	Yellow	Brown
	19	Brown	Grey	44	Yellow	Violet
	20	Grey	White	45	Brown	Violet
	21	Black	White	46	Violet	Black
	22	Black	Red	47	Violet	Blue
	23	Black	Yellow	48	Violet	Red
	24	Black	Violet	49	Violet	Orange
	25	White	Red	50	Violet	Yellow

For 75 pairs cables – Pairs 1 to 50 plus 1 to 25 inclusive

For 100 pairs cables – Pairs 1 to 50 plus 1 to 50 inclusive



ENATS 09-6 ISSUE 5 MULTIPAIR

Cable	Auxiliary Multicore and Multipair Cables
Standard	ENATS 09-6 Issue 5
Voltage	100V
Description	Tinned Copper, Multi Pair, PVC- Insulation, PVC Sheath
Cable type	ENATS 09-6 Issue 5 Multipair Light Current

Electrical data a 20°C

Conductor size	Nom	mm ²	0,64
Conductor resistance	Max	Ω/km	
solid / Class 1			29,063
Insulation resistance	Min.	MΩxkm	
Individual conductor			80
Test voltage		V	
Ums core: core			2000

Properties for cable

Code Colour	ENATS 09-6 Issue 5 * Table 1
Fire Resistant	N.A.
Flame Retardant	IEC 60332-3-24
Low Smoke Emission	N.A.
Other Properties	
Minimum Bending Radius	10 X O.D.

Properties for outer sheath

Limiting Oxygen Index	N.A.
Amount of halogen acid gas	HCl<15%
Oil Resistance	N.A.
Sunlight Resistance	UL 1581 Section 1200
Temperature Installation	-5°C/50°C
Temperature Operating	-30°C/50°C



ENATS 09-6 ISSUE 5 MULTIPAIR SCREEN

Cable	Auxiliary Multicore and Multipair Cables
Standard	ENATS 09-6 Issue 5
Voltage	100V
Description	Tinned Copper, Multi Pair, PVC- Insulation, Collective, PVC Sheath
Cable type	ENATS 09-6 Issue 5 Multipair Light Current

Electrical data a 20°C

Conductor size	Nom	mm ²	0,64
Conductor resistance	Max	Ω/km	
solid / Class 1			29,063
Insulation resistance	Min.	MΩxkm	
Individual conductor			80
Test voltage		V	
Ums core: core			2000

Properties for cable

Code Colour	ENATS 09-6 Issue 5 * Table 1
Fire Resistant	N.A.
Flame Retardant	IEC 60332-3-24
Low Smoke Emission	N.A.
Other Properties	
Minimum Bending Radius	10 X O.D.

Properties for outer sheath

Limiting Oxygen Index	N.A.
Amount of halogen acid gas	HCl<15%
Oil Resistance	N.A.
Sunlight Resistance	UL 1581 Section 1200
Temperature Installation	-5°C/50°C
Temperature Operating	-30°C/50°C



Nº Pairs	Cores	RT Insulation Nominal	RT Inner sheath	∅ over inner sheath	∅ of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm ² /uds	mm	mm	mm	mm	mm	mm	kgr/km	

2	0.64mm ² /1	0,3	-	-	-	0,8	5,62	63	ENA5-2P064-4A1A0B
5	0.64mm ² /1	0,3	-	-	-	1,0	9,30	136	ENA5-5P064-4A1A0B
10	0.64mm ² /1	0,3	-	-	-	1,1	12,20	237	ENA5-10P064-4A1A0B
15	0.64mm ² /1	0,3	-	-	-	1,2	14,13	334	ENA5-15P064-4A1A0B
20	0.64mm ² /1	0,3	-	-	-	1,2	15,88	424	ENA5-20P064-4A1A0B
25	0.64mm ² /1	0,3	-	-	-	1,3	17,63	523	ENA5-25P064-4A1A0B
30	0.64mm ² /1	0,3	-	-	-	1,4	19,22	622	ENA5-30P064-4A1A0B
40	0.64mm ² /1	0,3	-	-	-	1,4	21,70	796	ENA5-40P064-4A1A0B
50	0.64mm ² /1	0,3	-	-	-	1,6	24,29	998	ENA5-50P064-4A1A0B
75	0.64mm ² /1	0,3	-	-	-	1,7	28,97	1440	ENA5-75P064-4A1A0B
100	0.64mm ² /1	0,3	-	-	-	1,9	32,76	1895	ENA5-100P064-4A1A0B

Code colour ENATS 09-6 Issue 5 Table 1

2 Pair Cable (quad)	1	Black	Orange	Green	Brown
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5 Pair Cables to 50 Pair Cables	1	Black	Blue	26	White	Yellow
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	9	Blue	Brown	34	Red	Grey
	10	Blue	Grey	35	Red	Orange
	11	Orange	White	36	Red	Yellow
	12	Orange	Green	37	Red	Brown
	13	Orange	Brown	38	Red	Violet
	14	Orange	Grey	39	Grey	Yellow
	15	Green	White	40	Grey	Violet
	16	Green	Brown	41	Orange	Yellow
	17	Green	Grey	42	Orange	Violet
	18	Brown	White	43	Yellow	Brown
	19	Brown	Grey	44	Yellow	Violet
	20	Grey	White	45	Brown	Violet
	21	Black	White	46	Violet	Black
	22	Black	Red	47	Violet	Blue
	23	Black	Yellow	48	Violet	Red
	24	Black	Violet	49	Violet	Orange
	25	White	Red	50	Violet	Yellow

For 75 pairs cables – Pairs 1 to 50 plus 1 to 25 inclusive

For 100 pairs cables – Pairs 1 to 50 plus 1 to 50 inclusive