

GAALSHIP® HF 250 OS

Pairs/triangles twisted cables for telecommunication and instrumentation, overall screened



ELETTROTEK KABEL® GAALSHIP® HF 250 OS



Applications:

Instrumentation cables for fixed electrical installations aboard ships, screened against electromagnetic interferences, complying with IEC 60092-352

Construction:

Conductor:	Plain annealed copper or Tinned annealed copper conductor Cl. 2, acc. to IEC 60228, DIN VDE 0295
Insulation:	GAALTHERM® 595
Stranding:	Core laid-up together in pairs/triples
Cores color:	Pair: black- light blue Triple: black- light blue - brown
Overall screen:	Aluminium/polyester tape with tinned annealed copper stranded drain wire
Outer sheath:	Halogen free thermoplastic compound SHF1 acc. to IEC 60092-360, thickness acc. to IEC 60092-376
Marking:	ELETTROTEK KABEL® GAALSHIP® HF 250 OS, cross nominal section sqmm, 150/250 V, part n°, IEC 60092-376, IEC 60332-3-22, production plant, batch n°, production date, CE RoHS, progressive meter marking.

Technical data:

Nominal voltage:	150/250 V
Temperature range:	-40°C up to +90°C
Installation temp.:	-5°C
Short circuit temperature:	+250°C
Min. bending radius:	4 x Outer diameter

Type Approvals/Certificates:

RINA / RINAMIL (Registro Italiano Navale)
BV (Bureau Veritas)
LR (Lloyd's Register)
DNV-GL (Det Norske Veritas - Germanischer Lloyd)
ABS (American Bureau of Shipping)
 Other approvals on request

Resistance:



Flame and fire retardant acc. to:
 IEC 60332-1-2,
 IEC 60332-3-22



Halogen free acc. to:
 IEC 60754-1/2



Smoke emission properties acc. to:
 IEC 61034-1/2

Features:

Sheathing and insulating materials acc. to IEC 60092-360
 Design guidelines acc. to IEC 60092-350/376
 Choice and installation of electric cables acc. to IEC 60092-352
 Cold bend test at low temperatures
 acc. to IEC 60092-350 art. 8.9 and Annex E (-40°C)
 Cold bend impact at low temperatures
 acc. to IEC 60092-350 art. 8.9 and Annex E (-35°C)
 On request class 5 conductor acc. to IEC 60228

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Part no.	No. of pairs/triples x cross section n x mm ²	Outer sheath color	Outer diameter ca. mm	Copper weight approx. kg/km	Cable weight approx. kg/km
11040CGX012M05	1 x 2 x 0,5	Orange	7,4	14	72
11040CGX012M07	1 x 2 x 0,75	Orange	7,8	19	86
11040CGX012M10	1 x 2 x 1	Orange	8,2	24	95
11040CGX012M15	1 x 2 x 1,5	Orange	9,1	34	120
11040CGX012M25	1 x 2 x 2,5	Orange	9,9	53	150
11040CGX022M05	2 x 2 x 0,5	Orange	9,8	24	116
11040CGX022M07	2 x 2 x 0,75	Orange	10,5	34	138
11040CGX022M10	2 x 2 x 1	Orange	11,2	43	154
11040CGX022M15	2 x 2 x 1,5	Orange	12,9	62	208
11040CGX022M25	2 x 2 x 2,5	Orange	14,4	101	276
11040CGX032M05	3 x 2 x 0,5	Orange	10,4	34	130
11040CGX032M07	3 x 2 x 0,75	Orange	11,2	48	153
11040CGX032M10	3 x 2 x 1	Orange	12,0	62	179
11040CGX032M15	3 x 2 x 1,5	Orange	13,7	91	236
11040CGX032M25	3 x 2 x 2,5	Orange	15,4	149	321
11040CGX042M05	4 x 2 x 0,5	Orange	11,6	43	166
11040CGX042M07	4 x 2 x 0,75	Orange	12,5	62	200
11040CGX042M10	4 x 2 x 1	Orange	13,3	82	232
11040CGX042M15	4 x 2 x 1,5	Orange	15,4	120	310
11040CGX042M25	4 x 2 x 2,5	Orange	17,2	197	422
11040CGX052M05	5 x 2 x 0,5	Orange	12,4	53	194
11040CGX052M07	5 x 2 x 0,75	Orange	13,4	77	235
11040CGX052M10	5 x 2 x 1	Orange	14,4	101	279
11040CGX052M15	5 x 2 x 1,5	Orange	16,7	149	376
11040CGX052M25	5 x 2 x 2,5	Orange	18,7	245	514
11040CGX062M05	6 x 2 x 0,5	Orange	13,6	62	233
11040CGX062M07	6 x 2 x 0,75	Orange	14,7	91	285
11040CGX062M10	6 x 2 x 1	Orange	15,8	120	337
11040CGX062M15	6 x 2 x 1,5	Orange	18,3	178	449
11040CGX062M25	6 x 2 x 2,5	Orange	20,5	293	618
11040CGX072M05	7 x 2 x 0,5	Orange	13,6	72	238
11040CGX072M07	7 x 2 x 0,75	Orange	14,7	106	292
11040CGX072M10	7 x 2 x 1	Orange	15,8	139	346
11040CGX072M15	7 x 2 x 1,5	Orange	18,3	206	471
11040CGX072M25	7 x 2 x 2,5	Orange	20,5	341	654
11040CGX082M05	8 x 2 x 0,5	Orange	15,9	82	319
11040CGX082M07	8 x 2 x 0,75	Orange	17,2	120	392
11040CGX082M10	8 x 2 x 1	Orange	18,6	158	472
11040CGX082M15	8 x 2 x 1,5	Orange	21,5	235	620
11040CGX082M25	8 x 2 x 2,5	Orange	24,2	389	833
11040CGX102M05	10 x 2 x 0,5	Orange	16,7	101	366
11040CGX102M07	10 x 2 x 0,75	Orange	18,1	149	446
11040CGX102M10	10 x 2 x 1	Orange	19,5	197	525
11040CGX102M15	10 x 2 x 1,5	Orange	22,6	293	719
11040CGX102M25	10 x 2 x 2,5	Orange	25,4	485	990
11040CGX122M05	12 x 2 x 0,5	Orange	18,4	120	433
11040CGX122M07	12 x 2 x 0,75	Orange	19,9	178	527
11040CGX122M10	12 x 2 x 1	Orange	21,5	235	626
11040CGX122M15	12 x 2 x 1,5	Orange	24,9	350	850
11040CGX122M25	12 x 2 x 2,5	Orange	28	581	1172
11040CGX142M05	14 x 2 x 0,5	Orange	19,1	139	470
11040CGX142M07	14 x 2 x 0,75	Orange	20,6	206	576
11040CGX142M10	14 x 2 x 1	Orange	22,3	274	689
11040CGX142M15	14 x 2 x 1,5	Orange	26	408	941
11040CGX142M25	14 x 2 x 2,5	Orange	29,1	677	1301
11040CGX152M05	15 x 2 x 0,5	Orange	20,2	149	529
11040CGX152M07	15 x 2 x 0,75	Orange	21,9	221	647
11040CGX152M10	15 x 2 x 1	Orange	23,6	293	775

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11040CGX152M15	15 x 2 x 1,5	Orange	27,5	437	1049
11040CGX152M25	15 x 2 x 2,5	Orange	31	725	1455
11040CGX162M05	16 x 2 x 0,5	Orange	20,2	158	533
11040CGX162M07	16 x 2 x 0,75	Orange	21,9	235	654
11040CGX162M10	16 x 2 x 1	Orange	23,6	312	784
11040CGX162M15	16 x 2 x 1,5	Orange	27,5	466	1072
11040CGX162M25	16 x 2 x 2,5	Orange	31	773	1491
11040CGX192M05	19 x 2 x 0,5	Orange	21,6	187	618
11040CGX192M07	19 x 2 x 0,75	Orange	23,5	278	765
11040CGX192M10	19 x 2 x 1	Orange	25,3	370	909
11040CGX192M15	19 x 2 x 1,5	Orange	29,5	552	1250
11040CGX192M25	19 x 2 x 2,5	Orange	33,1	917	1740
11040CGX242M05	24 x 2 x 0,5	Orange	24,9	235	857
11040CGX242M07	24 x 2 x 0,75	Orange	27	350	1044
11040CGX242M10	24 x 2 x 1	Orange	29,1	466	1227
11040CGX242M15	24 x 2 x 1,5	Orange	34,1	696	1669
11040CGX242M25	24 x 2 x 2,5	Orange	38,4	1157	2293
11040CGX272M05	27 x 2 x 0,5	Orange	25,8	264	905
11040CGX272M07	27 x 2 x 0,75	Orange	28	394	1109
11040CGX272M10	27 x 2 x 1	Orange	30,3	523	1320
11040CGX272M15	27 x 2 x 1,5	Orange	35,4	782	1814
11040CGX272M25	27 x 2 x 2,5	Orange	39,9	1301	2513
11040CGX302M05	30 x 2 x 0,5	Orange	26,7	293	968
11040CGX302M07	30 x 2 x 0,75	Orange	29,1	437	1197
11040CGX302M10	30 x 2 x 1	Orange	31,4	581	1429
11040CGX302M15	30 x 2 x 1,5	Orange	36,8	869	1968
11040CGX302M25	30 x 2 x 2,5	Orange	41,5	1445	2745
11040CGX372M05	37 x 2 x 0,5	Orange	29,4	360	1180
11040CGX372M07	37 x 2 x 0,75	Orange	32	538	1460
11040CGX372M10	37 x 2 x 1	Orange	34,6	715	1749
11040CGX372M15	37 x 2 x 1,5	Orange	40,4	1070	2406
11040CGX372M25	37 x 2 x 2,5	Orange	45,6	1781	3368
11040CGX013M05	1 x 3 x 0,5	Orange	7,7	19	84
11040CGX013M07	1 x 3 x 0,75	Orange	8,2	26	97
11040CGX013M10	1 x 3 x 1	Orange	8,6	34	110
11040CGX013M15	1 x 3 x 1,5	Orange	9,6	48	139
11040CGX013M25	1 x 3 x 2,5	Orange	10,4	77	179
11040CGX023M05	2 x 3 x 0,5	Orange	10,7	34	144
11040CGX023M07	2 x 3 x 0,75	Orange	11,4	48	167
11040CGX023M10	2 x 3 x 1	Orange	12,2	62	198
11040CGX023M15	2 x 3 x 1,5	Orange	14,1	91	265
11040CGX023M25	2 x 3 x 2,5	Orange	15,7	149	354
11040CGX033M05	3 x 3 x 0,5	Orange	11,3	48	162
11040CGX033M07	3 x 3 x 0,75	Orange	12,2	70	198
11040CGX033M10	3 x 3 x 1	Orange	13,1	91	234
11040CGX033M15	3 x 3 x 1,5	Orange	15,1	134	317
11040CGX033M25	3 x 3 x 2,5	Orange	16,8	221	433
11040CGX043M05	4 x 3 x 0,5	Orange	12,7	62	212
11040CGX043M07	4 x 3 x 0,75	Orange	13,7	91	260
11040CGX043M10	4 x 3 x 1	Orange	14,6	120	304
11040CGX043M15	4 x 3 x 1,5	Orange	16,8	178	413
11040CGX043M25	4 x 3 x 2,5	Orange	18,8	293	572
11040CGX053M05	5 x 3 x 0,5	Orange	13,6	77	251
11040CGX053M07	5 x 3 x 0,75	Orange	14,7	113	309
11040CGX053M10	5 x 3 x 1	Orange	15,8	149	369
11040CGX053M15	5 x 3 x 1,5	Orange	18,3	221	500
11040CGX053M25	5 x 3 x 2,5	Orange	20,5	365	700
11040CGX063M05	6 x 3 x 0,5	Orange	14,9	91	303

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11040CGX063M07	6 x 3 x 0,75	Orange	16,1	134	370
11040CGX063M10	6 x 3 x 1	Orange	17,3	178	442
11040CGX063M15	6 x 3 x 1,5	Orange	20,1	264	611
11040CGX063M25	6 x 3 x 2,5	Orange	22,6	437	851
11040CGX073M05	7 x 3 x 0,5	Orange	14,9	106	313
11040CGX073M07	7 x 3 x 0,75	Orange	16,1	156	389
11040CGX073M10	7 x 3 x 1	Orange	17,3	206	465
11040CGX073M15	7 x 3 x 1,5	Orange	20,1	307	646
11040CGX073M25	7 x 3 x 2,5	Orange	22,6	509	908
11040CGX083M05	8 x 3 x 0,5	Orange	17,5	120	420
11040CGX083M07	8 x 3 x 0,75	Orange	19,0	178	522
11040CGX083M10	8 x 3 x 1	Orange	20,4	235	611
11040CGX083M15	8 x 3 x 1,5	Orange	23,7	350	822
11040CGX083M25	8 x 3 x 2,5	Orange	26,6	581	1127
11040CGX103M05	10 x 3 x 0,5	Orange	18,3	149	476
11040CGX103M07	10 x 3 x 0,75	Orange	19,9	221	590
11040CGX103M10	10 x 3 x 1	Orange	21,5	293	706
11040CGX103M15	10 x 3 x 1,5	Orange	25,0	437	971
11040CGX103M25	10 x 3 x 2,5	Orange	28,0	725	1354
11040CGX123M05	12 x 3 x 0,5	Orange	20,2	178	567
11040CGX123M07	12 x 3 x 0,75	Orange	21,9	264	699
11040CGX123M10	12 x 3 x 1	Orange	23,6	350	837
11040CGX123M15	12 x 3 x 1,5	Orange	27,4	523	1150
11040CGX123M25	12 x 3 x 2,5	Orange	30,8	869	1610
11040CGX143M05	14 x 3 x 0,5	Orange	21,0	206	622
11040CGX143M07	14 x 3 x 0,75	Orange	22,8	307	773
11040CGX143M10	14 x 3 x 1	Orange	24,6	408	930
11040CGX143M15	14 x 3 x 1,5	Orange	28,6	610	1285
11040CGX143M25	14 x 3 x 2,5	Orange	32,2	1013	1811
11040CGX153M05	15 x 3 x 0,5	Orange	22,2	221	697
11040CGX153M07	15 x 3 x 0,75	Orange	24,1	329	861
11040CGX153M10	15 x 3 x 1	Orange	26,1	437	1036
11040CGX153M15	15 x 3 x 1,5	Orange	30,3	653	1426
11040CGX153M25	15 x 3 x 2,5	Orange	34,2	1085	2017
11040CGX163M05	16 x 3 x 0,5	Orange	22,2	235	706
11040CGX163M07	16 x 3 x 0,75	Orange	24,1	350	879
11040CGX163M10	16 x 3 x 1	Orange	26,1	466	1059
11040CGX163M15	16 x 3 x 1,5	Orange	30,3	696	1461
11040CGX163M25	16 x 3 x 2,5	Orange	34,2	1157	2074
11040CGX193M05	19 x 3 x 0,5	Orange	23,8	278	822
11040CGX193M07	19 x 3 x 0,75	Orange	25,9	415	1029
11040CGX193M10	19 x 3 x 1	Orange	28,0	552	1238
11040CGX193M15	19 x 3 x 1,5	Orange	32,6	826	1719
11040CGX193M25	19 x 3 x 2,5	Orange	36,7	1373	2434
11040CGX243M05	24 x 3 x 0,5	Orange	27,4	350	1114
11040CGX243M07	24 x 3 x 0,75	Orange	29,8	523	1378
11040CGX243M10	24 x 3 x 1	Orange	32,2	696	1643
11040CGX243M15	24 x 3 x 1,5	Orange	37,7	1042	2262
11040CGX243M25	24 x 3 x 2,5	Orange	42,5	1733	3168
11040CGX014M05	1 x 4 x 0,5	Orange	8,3	24	98
11040CGX014M07	1 x 4 x 0,75	Orange	8,8	34	114
11040CGX014M10	1 x 4 x 1	Orange	9,2	43	130
11040CGX014M15	1 x 4 x 1,5	Orange	10,3	62	166
11040CGX014M25	1 x 4 x 2,5	Orange	11,3	101	219

Other dimensions and colors available on request.