

## GAALSHIP® INSTRUMENTATION IEEE type P BS

Extremely flexible, 110°C, 0,6/1 kV, individual-overall screened pairs/triples, armoured and sheathed (BS)

ELETTROTEK KABEL® GAALSHIP® INSTRUMENTATION IEEE type P BS



### Construction:

<b>Conductor:</b>	flexible tinned copper conductor, acc to IEEE 1580 table 11
<b>Insulation:</b>	special cross-linked polyolefin acc. to IEEE type P, and UL 1309/CSA 245 type X110
<b>Cores color:</b>	pairs: black-white triples: black-white-red
<b>Stranding:</b>	Each pair/triple is twisted with a bare tinned drain wire
<b>Individual Screen:</b>	aluminium/polyester tape
<b>Stranding:</b>	laying up in pairs/triples
<b>Overall screen:</b>	aluminium/polyester tape
<b>Inner sheath:</b>	thermosetting compound acc. to UL 1309/CSA 245 and IEEE 1580
<b>Armouring:</b>	basket weave bronze wire, acc. to IEEE 1580 and UL 1309/CSA 245 on request tinned copper
<b>Outer sheath:</b>	black (RAL 9005) thermosetting compound acc. to UL 1309/CSA 245 and IEEE 1580

### Resistance:



**Fire retardant acc. to:**  
IEC 60332-3-22,  
IEEE 1202

### Technical data:

<b>Nominal voltage:</b>	0,6/1 kV
<b>Temperature range:</b>	-40°C up to +110°C
<b>Capacitance (nF/MFt)*:</b>	
AWG 18:	28
AWG 16:	32
AWG 14 (pairs):	37
<b>inductance (mH/MFt)*:</b>	
AWG 18:	0,22
AWG 16:	0,20
AWG 14 (pairs):	0,19
<b>Resistance (Ohms/MFt)*:</b>	
AWG 18:	7,21 (at 20°C)
AWG 16:	4,52 (at 20°C)
AWG 14 (pairs):	2,85,19 (at 20°C)

\* Pairs/triples values

### Features:

Oil abrasion, chemical, moisture, cold resistant  
Sunlight resistant  
low toxic and corrosive gases emissions  
highest ampacity ratings:  
ABS 100°C, DNV 95°C, Transport Canada 95°C  
NVE 95/16996, FAL  
Transport Canada  
Det Norske Veritas (DNV)  
Lloyd's register of shipping (LRS)  
American Bureau of Shipping (ABS)  
UL listed as Marine Shipboard Cables  
United States Coast Guard November 2, 1987  
CSA listed as Marine shipboard cables



LISTED

on request blue outer sheath or with stripe  
for intrinsically safe circuits

on request tinned copper wire braid armouring



Available on stock CABLE GLANDS:  
see page 404 up to 416 of catalogue.

# GAALSHIP® OFFSHORE CABLES

## GAALSHIP® INSTRUMENTATION IEEE type P BS

Extremely flexible, 110°C, 0,6/1 kV, individual-overall screened pairs/triples, armoured and sheathed (BS)

ELETTROTEK KABEL® GAALSHIP® INSTRUMENTATION IEEE type P BS



Part no.	No. of pairs/triples x AWG	Ø under armour ca. inches ± 10%	Outer-Ø ca. inches ± 10%	Cable weight approx. lbs/MFt.
22030G7X012A18	1 x 2 x 18	0,336	0,486	176
22030G7X022A18	2 x 2 x 18	0,551	0,732	335
22030G7X032A18	3 x 2 x 18	0,581	0,762	343
22030G7X042A18	4 x 2 x 18	0,630	0,801	410
22030G7X052A18	5 x 2 x 18	0,685	0,9	511
22030G7X072A18	7 x 2 x 18	0,742	0,957	575
22030G7X082A18	8 x 2 x 18	0,8	1,015	752
22030G7X102A18	10 x 2 x 18	0,976	1,199	874
22030G7X122A18	12 x 2 x 18	1,011	1,234	982
22030G7X162A18	16 x 2 x 18	1,121	1,344	1182
22030G7X182A18	18 x 2 x 18	1,181	1,404	1300
22030G7X242A18	24 x 2 x 18	1,382	1,605	1720
22030G7X012A16	1 x 2 x 16	0,356	0,507	203
22030G7X022A16	2 x 2 x 16	0,565	0,751	377
22030G7X032A16	3 x 2 x 16	0,617	0,785	410
22030G7X042A16	4 x 2 x 16	0,671	0,886	569
22030G7X052A16	5 x 2 x 16	0,73	0,945	609
22030G7X072A16	7 x 2 x 16	0,792	1,007	703
22030G7X082A16	8 x 2 x 16	0,896	1,119	803
22030G7X102A16	10 x 2 x 16	1,047	1,27	1098
22030G7X122A16	12 x 2 x 16	1,081	1,304	1138
22030G7X162A16	16 x 2 x 16	1,207	1,422	1517
22030G7X182A16	18 x 2 x 16	1,265	1,488	1570
22030G7X202A16	20 x 2 x 16	1,327	1,552	1894
22030G7X242A16	24 x 2 x 16	1,482	1,767	2065
22030G7X012A14	1 x 2 x 14	0,386	0,537	199
22030G7X022A14	2 x 2 x 14	0,621	0,802	481
22030G7X032A14	3 x 2 x 14	0,658	0,881	515
22030G7X042A14	4 x 2 x 14	0,721	0,944	633
22030G7X052A14	5 x 2 x 14	0,791	1,013	787
22030G7X072A14	7 x 2 x 14	0,905	1,128	886
22030G7X082A14	8 x 2 x 14	0,979	1,202	1011
22030G7X102A14	10 x 2 x 14	1,148	1,371	1196
22030G7X122A14	12 x 2 x 14	1,186	1,409	1434
22030G7X013A18	1 x 3 x 18	0,354	0,504	199
22030G7X023A18	2 x 3 x 18	0,649	0,872	380
22030G7X033A18	3 x 3 x 18	0,688	0,911	393
22030G7X043A18	4 x 3 x 18	0,755	0,978	551
22030G7X053A18	5 x 3 x 18	0,871	1,094	561
22030G7X073A18	7 x 3x 18	0,947	1,170	724
22030G7X083A18	8 x 3 x 18	1,026	1,249	870
22030G7X123A18	12 x 3 x 18	1,244	1,467	1195
22030G7X013A16	1 x 3 x 16	0,376	0,558	213
22030G7X033A16	3 x 3 x 16	0,735	0,958	466
22030G7X043A16	4 x 3 x 16	0,807	1,03	700
22030G7X063A16	6 x 3 x 16	1,012	1,235	955
22030G7X073A16	7 x 3 x 16	1,012	1,235	1050
22030G7X083A16	8 x 3 x 16	1,09	1,33	1103

Other dimensions and colors available on request.